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ABSTRACT

Postsecondary educational opportunities in Ontario are described in this edition, revised as of June 30, 1976. Information is presented on: financial assistance to students; student costs; general information on colleges of applied arts and technology; chart of programs available at colleges of applied arts and technology; skilled trades and trade descriptions; general information on Ontario universities and charts of programs available at them; and other postsecondary education institutions. A selected list of other reference publications on postsecondary education is also included. (LBH)

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HORIZONS

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HORIZONS

A guide to educational opportunities in Ontario beyond the secondary school level

Published by the Ontario Ministry of Colleges and Universities

Ontario
Ministry of Colleges and Universities

Hon. Harry C. Parrott, DDS, Minister
Dr. J. Gordon Parr, Deputy Minister

The information in this edition has been revised as of June 30, 1976. As some changes in courses and admission requirements may be made during 1977, students planning to attend college or university in 1977-78 are advised to consult their guidance counsellors and check the calendars of post-secondary institutions in which they are interested.

Information on post-secondary courses offered in French is summarized in *Tour d'horizon* which is distributed to all francophone and bilingual secondary schools.

Copies of *Horizons* and of *Tour d'horizon* can be obtained free of charge by writing to or telephoning
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9
Telephone (416) 965-6134

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Note:
With reference to admission requirements for post-secondary programs:

Year 5 refers to Ontario grade 13
Year 4 refers to Ontario grade 12
Year 3 refers to Ontario grade 11
Year 2 refers to Ontario grade 10

OSSGD = Ontario Secondary School Graduation Diploma (completion of 27 credits meeting Ministry of Education requirements)

OSSHGD = Ontario Secondary School Honour Graduation Diploma (completion of six credits at the year 5 level)

Financial Assistance to Students

Students who need financial assistance to attend a university, community college, or other post-secondary institution may be able to obtain it from government or private sources.

A number of corporations, veterans' organizations and service clubs offer scholarships for academic excellence in particular subjects, and most universities have entrance scholarships for outstanding scholars. Information on these bursaries and scholarships should be available from your guidance office or from university calendars and student awards offices.

About two out of every five full-time students at Ontario's colleges and universities receive financial aid from the Ontario Government which administers the student assistance programs outlined below.

Ontario Student Assistance Program (OSAP)

OSAP is intended to help students who need money for further education. Academic excellence is not a qualification. OSAP provides funds to supplement a student's own financial resources and those of his or her immediate family.

The main features of the program are summarized below. Full information is contained in the brochure entitled *Ontario Student Assistance Program 1976-77*, which you may obtain from your guidance counsellor, from the Student Awards Officer at the institution you hope to attend, or from the Ministry of Colleges and Universities (address at the end of this section). An updated brochure describing OSAP for the 1977-78 academic year will be distributed to all Ontario secondary schools in the spring of 1977.

Who is eligible?

You may qualify for loan and grant assistance from OSAP if you plan to attend one of the following institutions in Ontario:

- a university
- a college of applied arts and technology
- a teacher education college
- a college of agricultural technology
- Ryerson Polytechnical Institute
- the Royal Military College of Canada
- the Royal Conservatory of Music
- the Ontario College of Art
- the Ontario Bar Admission Course
- the Canadian Memorial Chiropractic College.

Outside Ontario, you may qualify for loan and grant assistance if you plan to attend any university or certain community colleges in Canada or a Canadian military college.

To qualify, you should be taking at least 80% of a full course load in a program of 26 weeks or more which has been approved by the Ontario Government and which leads to a degree, diploma or certificate. You should also be a Canadian citizen or landed immigrant and meet Ontario's residency requirements.

Ontario residents who wish to attend private institutions in Canada or recognized post-secondary institutions outside Canada may be eligible to receive a loan through the Canada Student Loans Plan (CSL), but will not be eligible for a grant. Under the Canada Student Loans Plan, applicants may obtain loan assistance only, up to $1,800 per academic year, based on assessed need.

Applicants eligible for OSAP may receive loan or loan-grant assistance up to the amount of their financial need. Financial need is calculated by subtracting financial resources from educational costs. If you and your family have no financial resources, your assistance could be the full cost of your education and related expenses. If your financial resources equal or exceed your educational costs, you will not qualify for assistance. Most applicants receive an award covering an assessed proportion of their educational costs.

Educational Costs
Educational costs include the actual or estimated costs of the following items, as determined by the institution and approved by the Ministry:

- tuition and compulsory fees
- books and equipment
- board and lodging and miscellaneous expenses
- return trip home each year
- local transportation.

Financial Resources
Depending upon your circumstances, your financial resources may include amounts you are expected to have saved from summer or work-term earnings, or from time in the work force prior to enrolment, or a portion of earnings over $1,000 from part-time work after enrolment. Academic awards in excess of $300 may also be considered as a financial resource. In addition, in the case of most students leaving secondary school and applying for assistance to attend a post-secondary institution, parents are expected to contribute to your basic educational costs, according to their resources. To determine their contribution, an objective assessment is made of parents' income, and allowances are made for their basic expenses and the number of their dependents. Parental contribution tables are available for reference at guidance offices and student awards offices.

Loan and Grant Assistance
If you qualify to receive assistance through OSAP, it will be in the form of a loan or a combination of loan and grant. Loans are interest free until the repayment period begins, usually six months after you cease to be a full-time student. Provincial grants do not normally have to be repaid.

Usually, for a program of up to 32 weeks, the first $1,000 of OSAP assistance is a loan and any additional assistance is grant. For example, if your assessed financial need is $600, you will receive a loan of that amount. If your financial need is $1,200 you will get a loan of $1,000 and a grant of $200. If your financial need is $2,500 you will get a loan of $1,000 and a grant of $1,500.

Where, When and How to Apply
If you are planning to attend an Ontario college or university or one of the other Ontario institutions listed above, you can get your application forms directly from the institution's Student Awards Office. To apply for assistance for attending any other post-secondary institution, you can obtain the necessary forms from the Student Awards Officer of the Ministry of Colleges and Universities (address at the end of this section).

Mail your application to the Student Awards Office at the institution you hope to attend or take it to the awards office personally to be checked for completeness and accuracy. You can submit your application as soon as the forms are available, usually in April.

Your application has to be submitted no later than July 1, in order to be processed for fall registration. September 30 is the final deadline if you want to receive assistance for a normal full academic year.

If you hope to enter a trimester or cooperative program you should submit your application before the end of the first month of the semester to which the application refers.

To obtain further information about the Ontario Student Assistance Program, contact the Student Awards Office of the institution you hope to attend or the Student Awards Branch of the Ministry of Colleges and Universities.

Ontario Scholarships
Awards in the amount of $100 are made on the recommendation of secondary school principals to year 5 (grade 13) students who have an overall average of 80% or better in six year 5 credits. Additional information may be obtained from your guidance office.

Secondary School Bursaries
In the final year of their secondary school program, needy students may qualify to receive bursaries of $100 through the Ministry of Education. These bursaries for students with financial need are based on the recommendation of the principal or guidance head. Application forms should be available through secondary school guidance offices.

Ontario Student Loans Plan
The Ontario Student Loans Plan is a new program which provides loans to eligible students who do not qualify for assistance from OSAP or the Canada Student Loans Plan. The program is designed to help people such as part-time students taking less than 80% of a normal full course load and students enrolled at public post-secondary institutions in programs which are less than 26 weeks in length or which do not require year 4 (grade 12) for entry. Eligible students can receive up to $900 per semester. The interest rates and terms of repayment are similar to those for the loan portion of OSAP.

Ontario Special Bursary Program
The aim of the Ontario Special Bursary Program is to encourage people in serious financial need to pursue post-secondary studies, so that they may improve their financial situation. You may be eligible for a bursary if you are:

- taking or intending to take no more than three courses
- receiving social assistance, unemployed, or have a low family income
- at least 18 years old and a Canadian citizen or a landed immigrant
- resident in Ontario for 12 consecutive months, not counting time spent as a full-time student
- registered or accepted for registration at an Ontario university or college of applied arts and technology, Ryerson Polytechnical Institute, the Ontario College of Art or an approved private vocational institution
- taking or intending to take one or more credit courses leading to a degree, diploma or certificate. Upgrading courses are now eligible.

If you are eligible, you may receive a bursary to cover the costs of your tuition and other compulsory fees and the books, equipment and related items you will need. You may also receive a supplementary grant of up to $125 per term to help cover exceptional costs such as babysitting, day care costs or unusually high transportation expenses.

Fellowships and Bursaries for Second Language Study
There are a number of federal-provincial programs related to Canada's two official languages. These include:

- A program providing fellowships for the first year of study in any discipline taken in the French language at the graduate or undergraduate level in a Canadian university or at a college of applied arts and technology in Ontario. Eligible students may receive up to $2,000 for one academic year only.
- Programs for French-language teachers and teachers of French as a second language taking certain short-term full-time summer courses to improve the quality of their teaching. The programs provide bursaries up to a maximum of $600.
- A Summer Language Bursary Program which gives institutions bursaries up to $750 on behalf of students taking immersion courses in their second language, either English or French.

Further Information
For further information on any of these financial assistance programs, contact your guidance counsellor or Student Awards Officer, or write or telephone
Inquiry Section
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4
Telephone (416) 965-5241

Students' Costs

Total Costs

Total costs for an eight-month academic year at a post-secondary institution may vary from a few hundred dollars for a student living at home and attending a community college to about $3,000 or more for a university student living on campus or boarding away from home. Other variations in fees and living costs are summarized in this section.

Annual Tuition Fees

Tuition or academic fees, which are required at the time of registration for each semester, may usually be paid in two instalments in September and January. All colleges of applied arts and technology require applicants to send a non-refundable deposit on their tuition fees along with their acceptance of a place after they have received the institution's offer of admission. Some universities also require a deposit on tuition fees for limited enrolment programs.

The figures below show the range of annual fees for different subject areas and include student activity fees in most instances. Specific fees are listed under individual universities and colleges.

University Degree Programs — Annual Fees	
arts	$610—$ 700
commerce	$610—$ 683
dentistry	$837—$ 850
education	$660—$ 683
engineering	$663—$ 808
law	$647—$ 692
medicine	$806—$1,170
nursing	$619—$ 693
physical education	$647—$ 703
science	$610—$ 772

Other Institutions—Annual Fees	
Ontario College of Art	$475
Community colleges	$250—$480
Ryerson Polytechnical Institute	$424
Nursing assistant centres	$150

Foreign Student Fees

Beginning in September 1976, tuition fees for new foreign students attending a college of applied arts and technology will be $750 per two-term academic year. Beginning in January 1977, tuition fees for new foreign students attending a university will be $1,500 per two-term academic year. Student activity fees and other compulsory fees are not included in these figures.

Transportation

An additional $20 a month or more should be added to the living expenses of the student who cannot walk to classes. This figure will vary according to the public transportation rates, car pool arrangements and parking fees.

Books and Students' Supplies

College and university students need on the average $150-500 per year for books and supplies. Students in specialized or professional university courses such as architecture, dentistry and medicine, or in photography, cinematography, advertising and graphic arts at a community college, may require additional funds for the purchase of books and instruments. These figures vary as follow:

architecture	$125—$475
business and commerce	$125—$400
dentistry	$175—$330
doctor of veterinary medicine	$280—$400
engineering	$300—$390
law	$200—$250
medicine	$150—$770
physical education	$150—$450

Nursing costs at the universities range from $200 to $300 for supplies and $150 to $200 for books. Nursing costs at the colleges range from $100 to $400 for supplies and books.

Student Activity Fees
The tuition or academic fees at most universities include a student activity fee to cover such costs as the use of sports facilities, student council fee, health service contribution, registration fee, etc. At other post-secondary institutions the student activity fee is levied separately, or there may be a nominal student fee. Specific information may be obtained from the calendars of the universities and colleges.

Application and Examination Fees
A $7 fee is to accompany the common application form submitted in the fall to the Ontario Universities' Application Centre. Some universities require a fee from students writing special examinations.

Health Insurance
If your parents have Ontario health insurance, you are covered as their dependent only until you become 21, marry or take regular employment. The monthly premium for a single person is $16, and for a family, $32. However, premium assistance is available to single persons with an estimated taxable income of $2,000 or less in the current year, and families with an estimated taxable income of $3,000 or less. If you change from dependent status or require health insurance information, contact the
Ontario Health Insurance Plan
2195 Yonge Street
Toronto, Ontario M4F 2B2

Board and Lodging
Every Ontario university and a few colleges of applied arts and technology have residence facilities. Depending on meal plans and occupancy, residence costs range from about $1,400 to $2,100 or over for an academic year. Specific costs are listed under the individual universities in *Horizons* and in university calendars. Students who choose board and lodging should allow at least $45 a week to cover these costs. All institutions maintain a housing registry listing available accommodation in the area.

Miscellaneous Expenses
Besides the basic student costs of board and lodging and tuition fees, there are incidental expenses which must be counted for a realistic estimation of the annual cost of a year at a university or college. A weekly average of about $12 should be allowed for miscellaneous items such as laundry, personal needs and entertainment.

General Information on Colleges of Applied Arts and Technology

The community colleges provide job-oriented programs beyond the secondary level for high school graduates who require post-secondary training or education other than university. They also offer programs designed to meet the educational needs of adults and out-of-school youth, whether or not they are secondary school graduates.

The community college is a composite, comprehensive institution providing a wide variety of day and evening courses on a full and part-time basis. The colleges offer their students both a chance to develop skills needed by business and industry and an opportunity to broaden their educational background. They were meant to be commuter colleges, designed to meet the needs of the local community.

Enrolment

There are 22 community colleges with a total of more than 90 campuses serving all the major economic regions of Ontario.

In 1975-76, post-secondary enrolment was about 58,000 full-time students, with 60,000 predicted for 1976-77, 61,000 for 1977-78, and 62,000 by 1978-79. The number of part-time credit students exceeds full-time enrolment. Impressive numbers of adults across the province have discovered the colleges and are taking advantage of regular and extension programs.

General Admission Requirements

The colleges provide the people of Ontario with an essentially "open door" type of admission policy.

The following information will give students a general idea of the admission requirements at the colleges of applied arts and technology, but since there are variations from college to college in some courses, students are strongly advised to consult the calendar of the college they are interested in attending. Calendars may be obtained from secondary school guidance departments or directly from the college registrar.

The following persons are eligible for admission:

- holders of an Ontario Secondary School Graduation Diploma obtained at the end of year 4 from any branch or program, or
- holders of an Ontario Secondary School Honour Graduation Diploma obtained upon completion of year 5, or
- those who have attained the age of 19 years on or before the date of commencement of the program of instruction in which they plan to enrol.

Students will be admitted to the colleges of applied arts and technology in the following order of preference:

- permanent residents of Ontario
- permanent residents from other Canadian provinces
- overseas students from commonwealth countries
- students from other foreign countries.

Programs Offered

At most colleges, programs are divided into major divisions, such as applied arts, business, health sciences, technology, extension or retraining. However, at some colleges, these major divisions have been sub-divided or reorganized to reflect a particular emphasis on the internal organization of the college. Northern College, for example, has the Haileybury School of Mines.

In September 1973, the responsibility for the education of diploma nurses was transferred from hospital and regional schools of nursing to the colleges of applied arts and technology. At the conclusion of the program, students write the standard nursing examinations in order to qualify for provincial registration. Since September 1974, admission to a diploma nursing program in a college of applied arts and technology has been based on a year 4 graduation diploma with two science options, and a personal interview by the director of the nursing program, or designate, subject to approval by the president.

Together, the community colleges offer nearly 2,000 programs. Three-year diploma, two-year diploma, one-year certificate, apprenticeship, and part-time or extension courses are available. For a listing of programs offered by individual colleges, students can consult the CAAT program charts on the following pages and the specific college sections in *Horizons*. For specific information on any program or course, students should check the individual college calendars or visit their nearest community college.

Manpower Retraining

Several adult training and retraining programs are offered through the colleges. Under the Training in Business and Industry plan, staff training programs are provided to upgrade the academic and vocational skills of employed individuals. Costs are shared by the employer, the employee and the Ontario Government.

The Canada Manpower Training Program is a co-operative venture of the federal and provincial governments, planned in consultation with community business and industry, to qualify adults for re-employment through basic academic upgrading or through technical and commercial courses. Individuals may participate in this program as fee-paying students, or by registering at their local Canada Manpower Centre for sponsored training in courses which the Department of Manpower and Immigration has purchased in the colleges. For information about programs offered, contact the college or local manpower centre.

Continuing Education (Extension) Divisions

The purpose of the Continuing Education or Extension Divisions is to provide the opportunity for all members of the community to participate in learning experiences of their choice at a time and place that is convenient, on either a full or part-time basis. Whenever possible, in addition to non-credit courses of current interest, the programs offered parallel the day programs at the colleges so that interested students may work toward a college diploma.

Transfer Possibilities for CAAT Graduates

While it is not intended that the colleges should act as feeder institutions to the universities, honour graduates of the two-year programs may be accepted on an individual basis for admission to the first year of certain university programs.

Qualified graduates of the three-year programs with honours standing in the final year may, in some instances, be admitted to the second year of a related university program. For example, a graduate from an engineering technology program may qualify for admission to a degree program in engineering, if places are available. Decisions about the admissibility of individual CAAT graduates to degree programs are made by the admissions officers of the universities concerned.

Fees

Tuition fees for a full program are approximately $125 per semester or $250 per academic year for most programs. Students are also, in most cases, required to pay activity fees, laboratory fees or special fees as established by the individual college. Fees for foreign students are $750 per two-term academic year. See the introductory section on students' costs for further information.

Residence Accommodation

The colleges of applied arts and technology were originally conceived as being within commuting distance of the main population centres. Little provision therefore has been made for residence accommodation, although in some areas, residence facilities are provided. Students can check with the housing bureau or student services office of the college they plan to attend regarding available residence facilities or lists of off-campus housing in the community.

Further Inquiries

For more detailed information on the colleges of applied arts and technology, check the individual college sections in *Horizons*, consult the college calendars which are available in secondary school guidance departments, or get in touch with the Registrar's office of the college. Additional general information may be obtained from

College Affairs Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1C1
Telephone (416) 965-2720

Notes:

Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

(1) Circled programs are "new" or "pending approval" or "dormant."
2 Overscores indicate that shorter programs are available.
3 Underscores indicate that programs are also offered in French.
S indicates programs of less than 2 semesters.

Program / College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Etobicoke)	Lambton (Sarnia)	Loyalist (Belleville)	Mohawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (Haileybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)
Apprenticeship and Pre-Employment																												
Air Conditioning and Refrigeration	2									3					3													
Alignment and Brake Mechanic					2																							
Auto Body Repairman	2				2				3																			
Automotive Machinist					3																							
Automotive Painter					1																							
Baker										4																		
Barber										3																		
Brick and Stone Mason										3																	S	
Butcher/Abattoir Management																												
Carpenter	3		S			S	3			3					3					3					3		2	
Carpet and Tile Installer							2					2																
Cement Mason										2																		
Chef	2									4														2				
College/Vocational Program																									6			
Cook	2															2								2				
Electrician (Construction)	3					3	3		3	3		3		3	3		3			3	3			3			3	
Farm Equipment Mechanic									3																			
Fuel and Electrical System Mechanic					2																							
Glazier and Metal Mechanic										3																		
Hairdresser	2								2	2		2			2					2	2			2			2	
Heavy Duty Equipment Mechanic					3		3																	3				
Horticulture												2																
Industrial Electronic Controls										1																		
Ironworker										3																		
Lather										3																		
Machinist/Machine Trades	4							2	3	3				3														
Marine and Small Engine Mechanic					2		2																				2	
Millwright										3																		
Motor Vehicle Mechanic	3				3	3	(3)		3					3	3					3			3	3				
Motorcycle Mechanic					2																							
Painter and Decorator										3																		
Plasterer										3																		
Plumber	3					3			3	3		3			3					3	3			3				
Radio and T.V. Serviceman										5																		
Retail Meat Cutter										2																		
Service Station Attendant					1																							
Service Technician/Heating Equipment	3																											
Sheet Metal Worker	3					3			3	3		3			3					3								
Sprinkler and Fire Protection Installer										3																		
Steamfitter										3		3																
Structural Steel Drafting								2		3																		
Toolmaker	4					3			3	3																		
Transmission Mechanic					2																							
Truck/Coach Mechanic					3																							
Truck/Trailer Repairer					2																							
Watch Repairer										4																		
Welding and Fabricating	3																											

Notes:
Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

(1) Circled programs are "new" or "pending approval" or "dormant."
2 Overscores indicate that shorter programs are available.
3 Underscores indicate that programs are also offered in French.
5 indicates programs of less than 2 semesters.

College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Etobicoke)	Lambton (Sarnia)	Loyalist (Belleville)	Mohawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (Haileybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)
Program																												
Arts, Visual, Creative, General																												
Apparel Technology/Management										6																		
Art Conservation Techniques																											4	
Commercial Art and Design	4																											
Crafts and Design/Material Arts			6								6									4					6			
Creative Arts/Crafts	4				4						6										6	6	6	6		2		
Creative Electronics																												
Design Arts/Basic Design						6		6	2		6											6			6			
Environmental Art									6																			
Fashion Arts/Modelling/Design					4				6	6	4	4				6					6				6	4		
Fine Arts and Crafts/Administration	4		6						6			4	2				4				6	6	6				4	
General Arts and Science	4			4	4	6	4	4	2		6	4	4	4		4								4		4	4	4
Graphic Design			6			6			6	6	6	4									6		6			6		
Horsemanship/Equestrian Management	2											4																
Industrial Design								6	6		6																	
Interior Design/Decorating	6					6	(4)	6	6		6	6				4				6								
Jewellery Arts										6																		
Landscape Design									6																			
Music			6									6																
Music Industry Arts									6																			
Signwriting (Commercial Art)/Screen Printing										2																		
Theatre Arts/Performing Arts				4								6				6				4	4							
Urban Design									6																			
Visual Arts Instructor																									(4)			
Business: Accounting																												
Accounting	6		6	6	6	6	4	6	4	4	4	4	6	6	6	4	6	6		6	4	(4)	4	4	6	6	4	
Business Machines Bookkeeping																											2	
Finance	4				6			6							4	6					6	6	6				6	
Public Assessment and Real Property Appraisal			4											4									4		4			
Business: Administration and Management																												
Apparel Retailing																						2						
Business Administration	6	6	6	6	6	6	4	6	6	5	6	6	6	6	6	6	6	6		6	6	6	6	6	6	6	6	
Business General	6	4	4	4	4		4	4	4	4	4	4			6	4				4	4		4		4	4	4	
Business (Marina/Recreational Vehicles)																											4	
Butchering/Abbatoir Management									(4)																			
Corporate Administration																										(6)		
Cinema Management									4														3					
Farm Business/Management									4																			4
General Management	6				4		4					6						6										
Industrial Administration/Management								6								6						6	6					
Industrial Relations							6																					
Institutional Management																										4		
International Business																									6			
Legal/Office Administration/Assistant	4		2		4			6	4							4				4	4				4			
Materials Management						6										6												
Municipal/Public Admin./Government Services								6	4							4									4			
Personnel Administration/Labour Relations			6		6		4	6				6				6										(6)	(6)	
Printing (Graphics) Management									6																			
Production Management					6											6												

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Program																												
Business: Administration and Management (continued)																												
Property Management/Real Estate/Insurance	4		6							4						(4)							6					
Retail Administration/Management	4				4											4							4		4	2		
Wholesale Administration												4											4					
Wood Products Management																		(6)										
Business: Data Processing																												
Computer Programmer/Operator/Techniques					3							3																
Computer Systems Analysis																									6	6	6	
Computer Operations and Analysis	6		6	6	4	6	6	6	6	4		4		6	4	6	6	6		6	6		6	6	4	4	4	
Information Processing	3																											
Business: Marketing																												
Cosmetics Retail Management/Sales																									4			
Garden Centre Merchandising																										4		
Insurance												4			4									6				
Marketing	6		6	6	6	6	4	6	4	4	6	4	6		6	6	6	6		6	6	6	6	6	6	6	6	
Parts Management and Merchandising															2													
Physical Distribution										4																		
Retail Marketing	4					4					(4)	4											2		4	4	4	
Sales and Merchandising										2		4				4												
Textile Fabric and Marketing																	(2)											
Business: Secretarial																												
Court Reporting										6																		
Dicta Typist			2	2	4					2						2	2	2			2	2	2	2	2	2	(2)	
Secretarial Arts—General/Exec./Procedural	4	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	6	2		4		4	4	4	4	4	4	
—Bilingual	4		4	2												4	4						4					
—Legal	4	2	4		4	4	4	4	4	4	4	4	4	4	4		4			4	2		4	4	4	4	4	
—Medical/Medical Records Technician	4		4	2	4	4	4	4	4	4	4	4	4	4	4		4			4	2		4	4	4	4	4	
—Optometrical						4																						
—Technical/Eng./Scientific/Educ.					4			4	(4)																		4	
Secretarial Science/Professional			6		6			6	6					6		6	6	6		6	4	4	4	4		(6)		
Communications																												
Advertising, Creative and/or Business	2				6			6			4				6					6				6		4		
Animation																										6		
Communications Art								6					4		6					6					4			
Media Arts																					4					4		
Communications (Studio Techniques)														6														
Editing and Book Publishing					6																							
Film Production/Cinematography	6					6	4					6																
Graphic Communications				4		6		6																				
Journalism Print/Broadcast/General	4		4	4	6	6		6	4		4	6	4	4	6	6				6				4		4		
Photographic Arts	6					6	4		6			4														4		
Public Relations, Creative and/or Business	6							6				6																
Radio and T.V. Arts				4			6																					
Broadcasting, Radio									4			6			6									4				
Broadcasting, Television									4						6									4				
Broadcasting, Radio and Television	4					6										6												
Communications Media												6																
Radio and Television Writing					6																							
Applied Communications																									4			

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☐ First year only

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Program																												
Community Services																												
Addiction Counsellor										4																		
Arena/Ski Area Management												3																
Child Care Worker	4		4		6				4	4		6			4		4			4	4						
Child Studies/Nanny																									4			
Coaching—Gymnastics/Athletics																								4	4			
Community/Environmental Planning/Development	4														4										4			
Community Studies												6																
Correctional Worker/Community Worker					4				4	4											4		4		4			
Counsellor/Special Care/Residential/Rehab./Workshop Rehab.					4				4			4										4						
Early Childhood Education/Day Worker	4		4		4	4	6		4	4	4	5	4	4	4	4	4			4	4		4	4	4	4	4	
Family/Consumer Studies						4						6																
Law and Security Administration	4		4			4	4		4		4	4		4	4	4				2					4	4	4	
Nursery Aide/Family Day Care										S			2													4		
Outdoor Recreation Technician																									(4)			
Parks Technician																									(4)			
Recreation/Facilities Management/Administration	6			4	4	4	4		4			4			4										6		4	
Research Techniques					4															4						4		
Social Services Worker	4		4		4	4	4		4			4			4	4	4								4	4	4	
Sports/Entertainment Administration								6																				
Food and Hospitality																												
Flight Services																												
Food Service Management/Supervision	4			4	4				4	4						6				4				4				
Home Economics/Mgmt./Dietary Services					4																					4		
Hospitality Administration and Services/Travel	4				6						6						4							4				
Hotel/Motel/Rest. Management, Operation				4	6		6			4	4	4		6		6				4				4		4		
Tourism/Travel/Transportation	6				4		4		4			4			(5)	4				6					6	2	6	
Health (Allied)																												
Ambulance & Emergency Care	2		2		2	2		S	2			2		S		2				2	S	S			2	S		
Animal Health/Care																				4	6				4	2		
Behavioural Science					4				4					4		4					(6)		4					
Bio-Medical Electronics									6																			
Bio-Medical Equipment Technician/Maintenance									2			4																
Dental Technician/Therapist										6																		
Dental Assistant/Preventive Assistant/Hygienist	4			2			2	2	4	4	2					2				2					2			
Environmental Health Dip.									(4)																			
Fitness Instructor										4																		
Funeral Services + (15 months internship)												2																
Health Care Aide	S		S				S		S			S	S	S	S		S				(S)	S			S		S	
Health Records Technician/Librarian									2							4												
Hospital Orderly							S		S	S																		
Life Sciences Research/Bio-Sciences				6																					(4)			
Medical Laboratory Technology	6		5	6				2	6				6		6					6	(6)		6	6				
Mental Retardation Counsellor	4		4		4		4		4		4	4		4						4		4		4				
Nursing (diploma—3 semesters per year)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		6	6	6	6	6	6	6	6	
Nursing Assistant—Post RNA (various courses)				S	S			S	S		S	S					S				S	S					

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Program																												
Health (Allied) (continued)																												
Nursing Assistant				2		2		2	2		2	2		2			2			2	2	2						
Nursing—Post RN (various courses)	S								S	S		S									S				S			
Nursing—Refresher/Upgrading	S		S	S	S		S		S	S				S	S					S	S				S			
Orthotic-Prosthetic Technician										5																		
Pharmacy Assistant												2								2								
Physiotherapy and Occupational Therapy															6													
Radiology (Medical)/Radiography			4				4		4						6													
Respiratory Technology	6								4																			
Instructional Resource Services																												
Audio-Visual/Instruction Materials/Eqp't. Technician			4				4		4			4													4		4	
Educational Resources Technician														4		4										4	(4)	
Library Technician	4		4						4							4									4	4		
Technology/Technician (Engineering)																												
Air Conditioning/Refrigeration/Heating									5	4		4				4												
Air-Water Resources Field Technician									(5)																			
Chemical	6		6		6			6				6	6	6	6	6		6		6	6		(6)		6	6		
Civil	6		6		6	6	6	4	6	4	6	6		6	6			6			6	6	6	4	6		6	
Computer Science	6							6							6	6		6								6		
Construction	4					6			6	4				4	4	6				4				4		4	4	
Control Systems					6				6						6										6			
Drafting—Architectural/Structural	6	4			4					4				4			4							4				
Drafting—Engineering/Electrical										4												(4)				4		
Drafting—General										4																		
Drafting—Mechanical/Mechanical Services					4			4		4	4	4	4	4	4	4				4		(4)			4			
Drafting—Piping													2															
Electrical			4		6	6	4		6	6	4	4		6		4	4	6		6				6		6	4	
Electronics	6		6		6	6	4	6	6	6	6	6	6	6	6	6	4	6		6	6			6	6	6	4	
Environmental Engineering/Control														4														
Explosives												4																
Fire Protection/Industrial Safety	4											6													6			
Fluid Power					6																							
Food Processing/Food Laboratory				6				6												6								
Geological			6																					4				6
Industrial Engineering/General/Maintenance	6		4						4		4					6				6		(4)					4	
Industrial Hygiene													(6)															
Industrial Instrumentation	4		4		4					6		4			4	4			4			6	6					
Industrial Management												6			6													
Industrial Metalcraft					(6)																							
Industrial Microbiology					6																							
Manufacturing									4			4																
Material Joining/Testing									(4)																			
Mechanical	6				6	6	4	6			6	4	6	4	6	6		6		6		6		6	6	6	4	
Metallurgical			6						4						6	6												
Mining (Including Geology and Metallurgy)			6																6									
Plastics/Rubber/Production and Design										4										4								
Pollution Control						6																						
Power			6													6						6						

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Technology/Technician (Engineering) (continued)																												
Preservation (Historical Structures)																						6						
Production/Control/Manufacturing									6			6				(4)												
Tool and Die Design									4	4		4																
Tool and Die Making	4									4				4						4								
Transportation Planning												6			6										4			
Welding						4	S	2										6						2				
Technology/Technician (General)																												
Acoustics										4																		
Air Transport/Aviation Management							4	6																				
Aircraft Maintenance ('A' or 'R')				4	3		4																					
Aviation and Flight/Helicopter Pilot				2																				4	8			
Avionics				4	3		4																		4			
Architectural	6				6		6		6			6		4	6					6								
Bio-Chemical/Bio-Science	6											6						6		6								4
Building Environment Systems																									6			
Cartography	4																								4			6
Coatings										4																		
Combustion																				4								
Concrete										4																		
Electro-Mechanical												6				(4)				(4)					(6)	(4)	6	
Electronics (General)	4				4	4	4			2	4									4				6			4	
Floriculture												4																
Forestry		4																						4				6
Fish and Wildlife																								6				6
Forest Recreation																								6				6
Furniture Refinishing/Repair/Renovation										4																		
Graphic Arts/Technical Graphics/Printing	4									6						4												
Heavy Equipment Construction Techniques																										4		
Home Appliance Servicing																										2		
Industrial Chemistry					4							6						4						4	4			
Laboratory Science												4						4			6		6		6		4	
Landscape Design/Horticultural	4											6				4				4								
Machine and Product Design									4																			
Machine Shop and Welding (Applied)								2												2				2				
Marine Engineering											6											6						
Marine Navigation											6																	
Materials Science/Handling/Design/Packaging										4	6															4		
Mathematical Computation									4							(6)												
Mechanical Eng. (Mobile equipment)									6																			
Motive Power/Auto/Diesel/Heavy Eqp't./Rec. Veh.					4				4											4								4
Motive Power/Management/Parts									6																			
Museum	6																											
Natural Resources/Air and Water Science			6			6					6			4							6				6			
Pharmaceutical Chemical Technology																									6			
Photography	4																										4	
Physics/Science Laboratory	6								6																			
Precision Instrument Techniques										4		4																
Process Operations													2															

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Program																												
Technology/Technician (General)—(continued)																												
Process Pipe Design										4																		
Quality Control												4																
Survey/Aerial Survey/Hydrographic	6				4		4		6	6	4	4		4		4	6								(3)			
Stationary Engineering															2													
Technical Administration																												
Technical Sales Representative												6																
Telecommunications						6																						
Textiles															6													
Underwater Skills																									2			
Watchmaking										6																		
Welding and Fabricating						2				2														2			2	
Welding Specialist										2																		
Wood Products						4																						
Woodsworker		2																										
X-Ray (Industrial)																												

Short Programs

College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Program weeks																						
Academic Improvement																						
Academic Upgrading—Level I 36	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P
Academic Upgrading—Level II 24	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Academic Upgrading—Level III 32	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Academic Upgrading—Level IV 32	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
English As A Second Language 24	A	A		A	A	A	A	A	A		A	A		A	A	A	A	A	A	A	A	
English As A Second Language (Advanced) 12											A						A		A	A		
English For Provisional Tradesmen 24		A		A					A					A	P				P			
French As A Second Language	A																	A				
Occupational English 6												A			P		A		P			
Preparation for Certificate of Qualification 10				A										A	P	A			P			
Artistic, Literary, Performing Arts and Related																						
Commercial Art 40									A						A							
Interior Design and Decorating 40																P			A			
Journalism and Newswriting 40					A																	
Screen Process Printing 40									A													
Signwriting 40									A						P							
Clerical and Related																						
Accounting Clerk 40	A	A	A	A	A		A	A	A	A	A	A	A	P	A	A	A	A	P	A		A
Accountancy (Accelerated)																						
Bookkeeping Clerk 40		P			A	A	A	A		A				P		A	A		A	A		A
Advertising Sales & Service 40																						

A—Active P—Possible

Program	weeks	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Clerical and Related (continued)																							
Business Machines	12		P					P	A						P	P	A			A			A
Business Machines and Bookkeeping	40		P		A			A	A			A			P	P	A			A	A	P	A
Clerk-Typist	40	A	P	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A	A	A	A
Commercial Clerical	40	A	A	A	A		A	A	A	A		A	A		P	P	A	A	A	A	A		A
Dicta Typist	40				A	A			A	A	A				P	P		A		A			P
Commercial Refresher	16	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Stenographic [illegible]	40	A	A	A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A
Data Entry Operator	8					A						A											
Finance Clerk	24																						P
Hotel Front Office Procedure	20									A													
Inventory Control	24		P																	A			
Insurance Clerk															P								
Legal Secretary	32													A				A	A	A			A
Medical Secretary	32													A					A	P			A
Medical Terminology	14														A					P			
Receptionist Typist	40										A												
Stenographer (Refresher)	16	A			A			A	A						P	P	A			A		A	A
Teller Cashier	12		A			A	A	A				A	A		A	P	P	A	A	A	P		
Typing Refresher	12	A			A			A	A	A		A		A	P	P	A			A	A		A
Community Services and Related Fields																							
Certified Visiting Homemaker	12	A				P	A				A		A			P	P						P
Nursery Aide	16						P			A										A			P
Construction Trades																							
Building Materials Sale	40											A											
Back-hoe Operator	4								A									A				A	
Carpenter General (Advanced)	40		P			A			A	A		A					A		P	A			A
Carpenter General (Fundamental)	8	A	P						A		A		P				P			A			A
Carpet Layer	16											A		A	P					P			
Construction Trades Helper	16	A	P	A			A		A		A		A	A	A		A		A	A			A
Dry Wall (Taper and Boarder)	8		P						A		A		A		A					P			A
Industrial Electricity	40																			P			
Industrial Maintenance Mechanic/Packaging/Assembly/Repairing	48					A						A		A	A		A		P				A
Industrial Pipe Fitter	40															P							
Masonry	20		A	A					A	A	A		A		A		A		A	P			A
Natural Gas Serviceman/Gas Fitter II	26									A											P		
Oil Burner Service	20									A										P			P
Painting and Decorating	16		P							A	A			A	A					A			A
Pipeline Welding	8		A																			A	
Plumbing	40																		A				
Refrigeration and Air Conditioning	34									A													
Residential Metal Siding Installer	8		P							A			A							P			
Smooth Surface Floor Covering	8		P									A								P			
Steamfitting	40																			P			
Farming/Agriculture, Horticultural and Animal																							
Beef and Swine Management	5										A												
Care and Training of Standard Bred Horses	16																	A					

A—Active P—Possible

Program	weeks	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Farming/Agriculture, Horticultural and Animal (continued)																							
Dairy Herd Worker	10																						
Horticulture and Gardening	40																			P			
Management of Farm Business	5		P	A			A				A			A					A				P
Milk Graders (Bulk Tank or Plant)	1																						
Orchard Maintenance (1)	4										A												
Orchard Maintenance (2)	4										A												
Health, Allied																							
Dental Assistant	34						A	A	A		A					A		A		P			
Health Care Aide	16	A	A				A	A	A		A		A	A	A	A	A		P	A		A	P
Hospital Central Service														A									
Hospital Orderly Training	20					A	A		P	A						A				P			
Nursery Aid	16					A						A											
Nursing Assistant	36					A				A		A						A					
Machining and Related																							
Automatic Screw Machine Setter-Operator (Single Sp.)	40											A											
Automatic Screw Machine Setter-Operator (Multiple Sp.)	40											A				P							
Brake Shear Set-up Operator	10																						
Forestry Filers	40																A						
Forestry Millwright	40																A						
Furniture Mfg. Finish Machining and Sanding Operator	30																			P			
Furniture Mfg. Rough Machining and Assembly Operator	30																			P			
Lathe Operator	12					P			A	A		P	P		A	P							P
Machine Shop Practice	40	A		A		A		A	A	A	P	A		P	A	A		A	A	A	A		A
Metal Fabrication	40								A														A
Optical Lens Processing	36										A												
Shipyard Welding	12															P							
Steel Layout and Welding	40		P				P								A	A							
Welding Fitter	40		A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A
Welding Fitter Refresher	20		P			P			A	A		A			A				P				P
Welding Operator	20		P			P	P	P	A	A		A	A		A								P
Managerial, Administrative and Related																							
Indian Band Management I, II, III & IV	12						P				P						A			A			
Small Business Management					P																		
Material Handling and Related																							
Heavy Equipment Operator	12																	A			A		
Loader Bulldozer Operator	4																				A		
Sideboom Operator	4																				A		
Tower Crane Operator	8																						
Road Builder-Upgrading																					A		
Mining and Quarrying																							
Diamond Drill Operator	15																A						
Mining Assistant	34																A						
Natural Sciences, Engineering and Mathematics																							
Blue Print Reading	8		A					A	A	A					P	P	A			A			
Blue Print Reading for Welders	16																			A			
Drafting	40		A			A		A		A		A			A	A		A	A	P	A		P
Drafting, Piping	32												A										
Drafting Refresher	20		P					P		A		A								P			

A—Active P—Possible

Program	weeks	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Natural Sciences, Engineering and Mathematics (continued)																							
Electrical Drafting	40																			P			
Electronic Data Processing 1, 2, 3	8								A	A								A					
Geophysical Assistant	12						P																
Heating Technician	40	A								A													
Material Testing																							A
Prospecting Techniques	14						P										A						
Quality Control	40																					A	
Survey Assistant	32																A			P			
Processing																							
Baking Techniques	40									A						P				P			
Butcher and Meatcutter	24					A																	
Forestry Cutters and Skidders	8																A						
Forestry Grader and Scaler	35																A			A			P
Forestry Sawyer and Millwright	35																P						P
Logging and Small Sawmill Operator	12																						P
Process Operations	32												A										
Production Meat Cutter	4									P													
Retail Meat Cutting	20									A													
Skidder Operator	6						A										A						P
Product Fabricating, Assembling and Repairing																							
Aircraft Bench and Structural Assembler	12																						
Aircraft Ground Handling Equipment Mechanic	34				A																		
Aircraft Maintenance Technician	52				A																		
Apparel Design and Pattern Drafting	32									A													
Appliance Servicing	40	A				A				A	A		A				A						
Automative Upholstery Trim	8																			P			
Avionics	52				A																		
(Small) Boat Construction, Maintenance and Repair			P																				
Business Equipment Servicing	48									A													
Cable Television/Maintenance & Repair	48					A																	
Camera Repair Mechanic	40											A											
Carman (Railway)	12																						
Custom Dressmaking and Alterations	28									A					A					P			
Cycle and Sports Repair	30																		P	P			
Diesel Electric Mechanic	40				A															P			
Diesel Engine Mechanic	20				A															A			
Electronics-Colour T.V. Upgrading	10								A														
Electronics-Communications	48					A				A													
Electronics-Home Entertainment	48	A	A			A	A	A	A	A		A	A	A	A	A	A	A	A	P	A		
Electronics-Industrial Control	48					A	P			A				A									
Farm Mechanics	5																						
Fluid Power Control Mechanic	40				A	A																	P
Fork Lift Vehicle Mechanic	40				A																		
Fur Business and Manufacturing Techniques/Leather & Suedes	40									A													
Furniture Mfg. Finishing/Operator	20																			P			
Furniture Refinishing & Repair	30									A													
Furniture Upholstery and Manufacturing	40					A																	
Furniture Upholstery and Repair	40					A				A										P			

A—Active P—Possible

Program	weeks	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Product Fabricating, Assembling and Repairing (continued)																							
Heavy Duty Equipment Mechanic	40				A		A						P				A			A		A	
Heavy Equipment Field Servicing	12												P										
Heavy Equipment Service Operator	25																	A					
Industrial Orientation	9			A					A	A	P			P	P					P			A
Industrial Paint Spraying and Metal Finishing	28																						
Industrial Power Sewing	24								A	A													
Instrumentation Mechanic	40									A		A					P						
Marine and Small Powered Equipment Mechanic	40		A		A		A				A	A	A		A		P		A	P			A
Marine and Snow Vehicle Maintenance	16		A				A								A		A			P			P
Motor Cycle Mechanic	40				A												P			P			
Motor Vehicle Mechanic	40		P		A										P		P		A	A			
Pipefitter Improver (Shipbuilding)	10															P							
Plastics Production Techniques	40									A													
Sales																							
Automotive Merchandising	34				A										A								
Inventory Control—Autoparts Merchandising	20		P				A													A			
Retail Merchandising	16		P	A		A					P		A		A	A			A	A			P
Retail Merchandising (Supervisor)	40					P										P			A	A			A
Service Station Attendant	24		A	A	A								A		A		P		A				
Service																							
Apartment Building Superintendent	20					A																	
Bartending	15	A		A						A			A			P	A			P			
Camp Cook	14																P			P			
Certified Building Custodian	14			A		A			A				A		A				P	P			P
Dining Room Service	10	A	A							A	A		A		A	A	P		A	A	A		P
Food Preparation, Advanced	40					P										P	A	A		P			
Food Preparation, Basic	20					A	A			A	A		A		A	A	A	A		A			
Food Preparation Fundamentals	10			A		P					A					P	A			P			
Hairdressing	40	A							P	A									A	P			P
Hairstyling for Barbers	6		P																	P			
Hospitality Administration & Food Service	34																			A			
Hospital Food Supervisor	24															P							
Hospital Porter	5														A								
Hospital Services Attendant															P								
Housekeeping Services	4			A																			
Protection and Security Services	30													A									
Ship's Cook	24															A							
Tourist Outfitting and Guiding	14		P				P													P			
Teaching and Related																							
Audio Visual Specialist	40															A							
Transport Equipment Operating																							
Marine Engineer	28						A				A					A							
Marine Navigation Officer	28						A				A					A							
Master and Mate	12						A				A					A							
Tractor-Trailer Driver	4		A				A		A	A													
Truck Driver	3									A													

A—Active P—Possible

Program	weeks	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Other Crafts and Equipment Operating																							
Film Assembly	12									A													
Graphic Arts Assistant	40	A																					
Offset Printing	40					A				A													
Offset Printing for Letterpressmen	12																						
Stationary Engineering	40		A							A					A				A	A			
Not Classified																							
Basic Job Readiness (BJRT)		A	A	P		A	A		A	A			A		A		A	A	A	A		A	
Flight Instructor Training	13																				A		
Laboratory Technician	40													P									
Life Skills		A	P		P				A								P	A					A
Orientation	3	A	A			A									P		A			P			
Job Search & Readiness	8																			A			

A—Active P—Possible

Educational Flow-chart

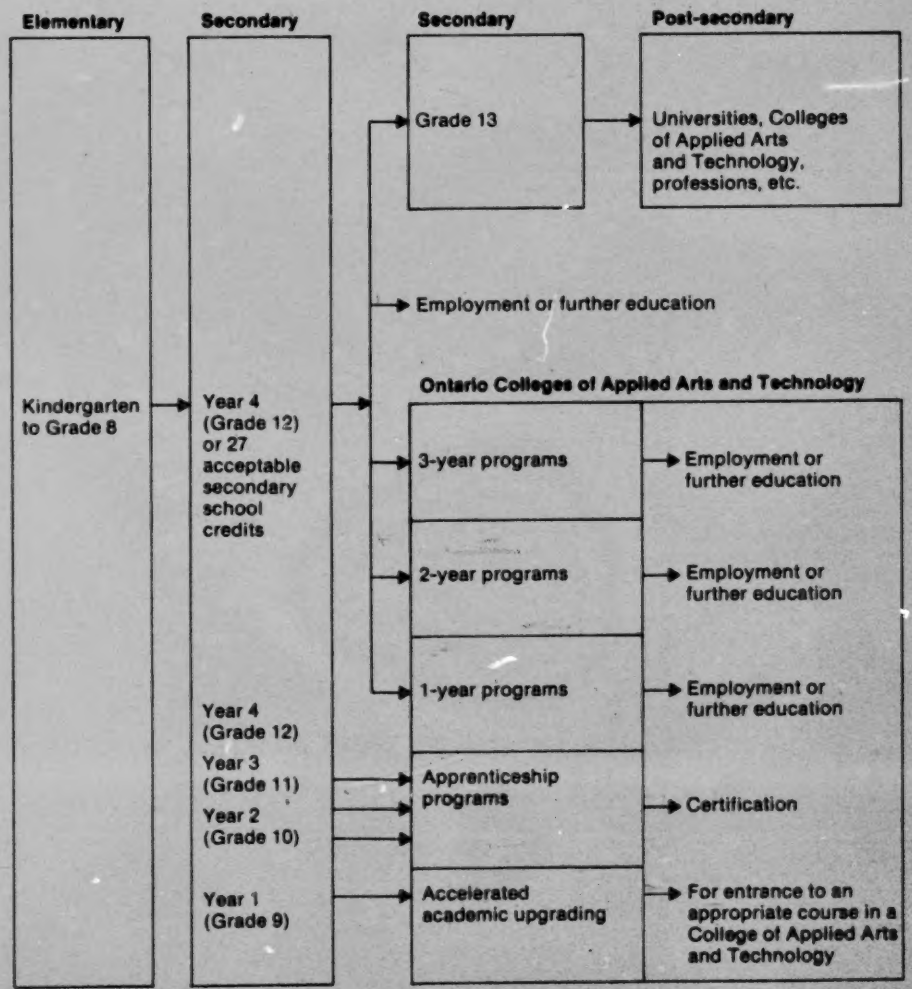
1 Honour graduates of the 4-year programs may be accepted for enrolment in a 3-year college program.

2 Grade 13 graduates may be accepted with advanced credits to certain programs.

3 An applicant who does not have a clear admission may be given the opportunity to write qualifying examinations.

4 After assessment, deserving applicants may be eligible for advanced standings and/or for accelerated programs.

5 Refer to the official college publications for specific admission requirements, and detailed information on programs, including starting dates.



Algonquin College of Applied Arts and Technology

Ottawa

President: L. Isabelle

Algonquin College primarily serves the Ottawa Valley. It now has campuses in Ottawa, Pembroke and Perth and operates continuing education courses throughout the Valley. Algonquin College has been officially designated as a bilingual college.

Enrolment 1975-76
Full-time 6,688
Continuing education 27,732
Retraining 2,500
Apprenticeship 1,279
Total 38,199

•Programs Offered

Ottawa Campus

Applied Arts
Three-Year Diplomas
Interior design, museum technology, recreation facilities management.

Two-Year Diplomas
Broadcasting — radio and television, child care worker, commercial art, community development, early childhood education, fine arts, fine crafts, general arts and science, horticulture and landscaping, interior design, journalism — print and broadcasting, law and security administration, library technician, mental retardation counsellor, recreation leadership, social service worker.

One-Year Certificate
Advertising — creative, equine care.

Business
Three-Year Diploma
Business administration (options in accounting, data processing, general business, management studies, marketing, tourism).

Two-Year Diplomas
Business (options in accounting, data processing, marketing, retail management), finance, hospitality administration and food services, legal assistant, real estate and property management, secretarial studies (executive secretary, executive bilingual, legal secretary, legal bilingual, medical secretary, medical bilingual).

Special One-Year Certificates
Information processing, secretarial general (dicta-typist and shorthand options).

One-Year Certificate
Cook training, travel consultant.

Short Program
Bartending (15 weeks).

Apprenticeship Programs
Chef, hairdresser.

Health Sciences
Three-Year Diplomas
Medical laboratory technology, respiratory technology.

Two-Year Diplomas
Nursing, dental hygiene (an extension of the preventive dental assistant program).

One-Year Certificates
Dental assistant, preventive dental assistant (an extension of the dental assistant program).

Technology and Trades
Three-Year Diplomas
Architectural technology, biochemical technology, chemical technology, civil technology, computing science technology, electronics technology, industrial engineering technology, mechanical technology, physics technology, survey technology.

Two-Year Diplomas
Architectural technician, cartography (general or photogrammetry option), construction technician, electro-mechanical drafting, electronics technician, film production, fire prevention and industrial safety, graphic arts, industrial instrumentation technician, mechanical systems technician, photography, survey technician, toolmaking technician.

One-Year Certificates
Electronics service technician, graphic arts assistant, machine shop, service technician (air conditioning and refrigeration, appliance, heating equipment servicing), welding and fabrication.

Apprenticeship Programs
Auto body repair, carpenter (general), construction electrician, motor vehicle mechanic, plumber, sheet metal mechanic.

•Programs Offered

Upper Ottawa Valley Campus
315 Pembroke Street East
Pembroke, Ontario K8A 3K2

Three-Year Diplomas
Architectural technology (first and second years only), business administration (first and second years only), engineering technology (first year only).

Two-Year Diplomas
Architectural technician, business, forestry technician, nursing, secretarial science.

One-Year Certificate
Forest woodsworker.

Continuing Education
Most diploma and certificate programs may be taken by part-time students through the Continuing Education Division. In addition, the college offers a wide variety of courses in response to the needs of vocational, business, professional and community groups.

Further Inquiries
For further information about admission requirements or specific programs, please contact
Director of Admissions
Algonquin College of Applied Arts and Technology
1385 Woodroffe Avenue
Ottawa, Ontario K2G 1V8
Telephone (613) 725-7432

For further information and application forms for financial assistance, consult
Financial Aid Officer
Algonquin College of Applied Arts and Technology
1385 Woodroffe Avenue
Ottawa, Ontario K2G 1V8
Telephone (613) 725-7210

Cambrian College of Applied Arts and Technology

Sudbury

President: John T. Koski

Cambrian College has expanded to three locations in Sudbury along with its far-flung operations in the districts of Sudbury and Manitoulin. The polytechnical division, housed in a downtown campus in Sudbury, also operates a small-scale nickel mine in Copper Cliff and its students travel extensively in the region to field and survey camps. The permanent campus, on a rocky 150-acre site in the city's northeast corner, emphasizes flexible interior space and a "pedestrian street" rather than extensive corridors. Labs and studios are faced with glass so that passers-by may observe the activities taking place inside. Construction is under way on a new wing and, by September 1977, the polytechnical and dental programs will relocate there. The Health Sciences Campus features a 204-bed residence, extensive laboratory, classroom facilities and a library.

Enrolment 1975-76
Full-time 1,441
Extension 11,100
Adult training 2,500
Total 15,041

Campus Locations
Sudbury is the major location for post-secondary programs. Polytechnical programs are run at 261 Notre-Dame Avenue; business and applied arts at 1400 Barrydowne Road; and health sciences at 885 Regent Street South.

•Programs Offered

Applied Arts
Three-Year Diplomas
Fine arts technology (art, music), law clerk.
Admission Requirements: Ontario Secondary School Graduation Diploma. Students will also be expected to fulfill the following requirements: art — portfolio; music — audition plus Grade 8 (RCM) for pedagogy option; law clerk — two semesters following a four-semester college diploma program.

Two-Year Diplomas
Audio-visual technician, child care worker, early childhood education, general arts and science, journalism, law and security administration, library technician, mental retardation residential counsellor, social services.
Admission Requirements: OSSGD with additional requirements for the following programs: social services, child care worker — 19 years of age and interview; audio-visual technician, library technician, early childhood education, mental retardation residential counsellor, journalism — interview.

Business
Three-Year Diplomas
Accounting, business administration, marketing, real estate administration, secretarial science.
Admission Requirements: OSSGD. Students planning to take the secretarial science program must have successfully completed a second level college secretarial option.

Two-Year Diplomas
Accounting, assessment administration, data processing, marketing, secretarial (bilingual, executive, legal, medical).
Admission Requirements: OSSGD. There are additional requirements for the following programs: bilingual secretarial — 40 wpm typing, office practice and facility in the French and English languages; executive and medical secretarial — 40 wpm typing and office practice; legal secretarial — 40 wpm typing, 80 wpm Pitman shorthand and office practice.

One-Year Certificate
General secretarial.
Admission Requirements: OSSGD.

Technology
Three-Year Diplomas
Chemical technology, civil engineering technology, electronics engineering, environmental biology, geology engineering, metallurgy engineering, mining engineering.
Admission Requirements: OSSGD including senior level English, mathematics, chemistry and physics with a 60% average in these credits for advanced level work or 70% for general level work.

Two-Year Diplomas
Chemistry technician, civil engineering technician, electrical engineering technician, electronics engineering technician, geology engineering technician, industrial instrumentation engineering, metallurgy engineering technician, mining engineering technician.
Admission Requirements: OSSGD including senior level English and mathematics. Senior level chemistry is required for industrial chemistry, geology, and metallurgy. Physics is required for civil technician, electronics technician, electrical technician, industrial instrumentation and mining technician. A senior level science is required for industrial engineering technician.

Health Sciences
Three-Year Diploma
Medical laboratory technology.
Admission Requirements: OSSGD including senior English, math, chemistry, and physics, with an average of 60% in advanced level work or 70% in general level work. Interview.

Two-Year Diplomas
Nursing, radiography.
Admission Requirements: Nursing — OSSGD with the following recommended credits: two in mathematics and English, senior level chemistry and either senior level physics or biology, with a 60% average in these credits for advanced level work, or 75% for general level work. An aptitude test and an interview are also required. Radiography — OSSGD with four credits in science (one of which must be senior level physics), two senior advanced math credits, and four credits in English. Interview.

One-Year Certificates
Ambulance and emergency care, preventive dental assistant.
Admission Requirements: Ambulance and emergency care — OSSGD with two senior science credits; interview; Ontario chauffeur's licence; physically fit. Preventive dental assistant — OSSGD, four credits in English, and two senior sciences (biology and chemistry recommended).

Library
The library contains approximately 25,000 books; 950 periodicals and serials; 3,000 slides and microfiche; 400 films, film-strips and film loops; and 500 recordings, tapes and scores.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Director of Admissions, who administers the financial assistance program at Cambrian, will also have details on privately donated scholarships and bursaries, academic awards and emergency loans, as well as loan fund projects offered by the college.

Counselling Services
Education and vocational counselling is available, as is interest and aptitude testing, personal, medical and group counselling, financial assistance, and human growth seminars. These professional services are completely confidential.

Student Placement Service
The college maintains a comprehensive placement service designed to assist the graduating student to find related and suitable employment. Counselling on job-search techniques is available throughout the year, on an individual or group basis, from the placement offices which are situated on each campus. Assistance in finding part-time or summer employment is also offered. The Placement Office keeps business and industry aware of the capabilities of Cambrian students and encourages on-campus employment interviews. Information and brochures on various corporations are available through either office.

Living Accommodation
A modern 204-bed residence at the Regent Street Campus features single rooms clustered around kitchenette facilities. Full meal service at reduced rates is available in the adjoining hospital dining room. Frequent bus service connects the campuses. Application for accommodation should be made to the Residence Manager. A housing registry is maintained in the Registrar's office and is available during summer and fall. While the type of accommodation and costs are recorded, the college does not inspect or certify the quality of the rooms or apartments listed. Average rates for room and board may vary from $30 to $40, depending on the location and type of accommodation.

Sports
Cambrian College participates in the Ontario Colleges Athletic Association, in both the men's and women's events scheduled by the association. Students also have the opportunity to participate in the campus intramural sports program.

In addition to these formal activities, the athletic facilities of the campus are available to students who wish to use them for more informal recreational programs. In addition, there are excellent opportunities in the community for boating, swimming, curling, skiing, bowling, fishing and hunting.

Additional Expenses
Electrical, electronics, industrial instrumentation — $65 for lab projects which students retain.
Audio-visual — single-lens reflex camera which costs approximately $200, and about $150 for supplies.
Child care, social services, mental retardation — living expenses for out-of-town field-placement periods and $50 seminar fee.
Fine arts — $50 lab fee for projects retained by the student and approximately $50 for personal art supplies.
Music — $50 for field trips and concerts.
Medical laboratory technology — $60 for Canadian Society of Laboratory Technologists exams.
Nursing — $60 for R.N. exams.
Radiography — $30 for Ontario Society of Radiological Technicians membership.

Further Inquiries
For further information, please contact
Registrar
Cambrian College of Applied Arts and Technology
1400 Barrydowne Road
Sudbury, Ontario P3A 3V8
Telephone (705) 566-8101

Canadore College of Applied Arts and Technology

North Bay

President: Murray Hewgill

Canadore College is one of Ontario's newest community colleges, but its history dates from 1967 when Cambrian College was created with campuses in North Bay, Sudbury and Sault Ste. Marie. In the summer of 1972, the North Bay Campus was separated from Cambrian to form Canadore College.

Canadore College is located in an attractive rural setting which overlooks Lake Nipissing and the city of North Bay. To provide a total community environment, food and residence services are located on the college campus.

Canadore College is committed to the present to serve the future. The college offers a wide range of educational opportunities of a career-oriented nature which will enable the student to achieve success in his or her chosen vocation. To this end, the college encourages students to assume a major responsibility for their own learning programs. The college emphasizes the relationship between the student and the teacher and provides a wide variety of modern technical equipment to enhance the learning environment.

Enrolment 1975-76
Full-time 976
Part-time 150
Extension 5,000
Total 6,126

General Requirements for Admission
All applications for admission are reviewed by the Board of Admissions which is empowered to reject or defer the admission of any applicant whose qualifications, in the opinion of the Board, are not adequate for the demands of the program in which the applicant wishes to register. Possession of the minimum admission requirements does not guarantee admission because other factors such as space or facility limitations may affect enrolment.

The minimum admission requirements are as follow:

Applied Arts
The student requires an Ontario Secondary School Graduation Diploma or equivalent. English at the senior level is preferred.

Business
The student requires an OSSGD or equivalent. Math and English at the senior level are preferred.

Technology
The student requires an OSSGD or equivalent, with standing in math, chemistry, physics and/or biology. The minimum admission requirement for the aircraft maintenance technician program is an OSSGD with math, physics, shop and mechanical aptitude. A test is administered by the college to determine eligibility and an interview is required.

•Programs Offered

Applied Arts
Two-Year Diplomas
Crafts and design, food service supervision, general arts and science, graphic communications, journalism — print, radio/television broadcasting, recreation leadership.
Admission Requirement: OSSGD.

Business
Three-Year Diplomas
Accounting, administration, data processing, marketing.
Admission Requirement: OSSGD.

Two-Year Diplomas
Accounting, general business, hotel and resort management.
Admission Requirement: OSSGD.

One-Year Certificate
Secretarial arts (bilingual secretary, clerical typist, dicta-typist, executive secretary, legal secretary, medical secretary, office clerk, stenographer).
Admission Requirements: OSSGD or equivalent or mature student status. Executive and legal secretarial applicants must have attained a typing speed of 40 wpm, shorthand at 80 wpm and possess one course in office practice. Bilingual secretarial applicants must have attained a typing speed of 40 wpm, shorthand at 80 wpm and possess one course in office practice; applicants must be fluent in both oral and written French and English. Medical secretarial applicants must have attained a typing speed of 40 wpm and completed one course in office practice; shorthand is not a requirement but is desirable.

Technology
Three-Year Diplomas
Food technology, medical technology.
Admission Requirements: Food science technology applicants must have an OSSGD or equivalent, with standing in math, chemistry and physics or biology at the general level of the senior division. Students possessing an Ontario Secondary School Honour Graduation Diploma with high academic standing in math, chemistry and physics or biology, may be admitted to the second year.
Admission to the medical laboratory technology program is possible via two routes:
a) OSSHGD with high academic standing in three of math, chemistry, physics and biology at the advanced level of the senior division.
b) Transfer students. Applicants should have high academic standing and have successfully completed the first year of the biological sciences technology program at Canadore College, or have an equivalent technology program from another college or university.

Biological sciences technology.
Admission Requirements: OSSGD or equivalent, with standing in math, chemistry, and physics or biology at the general level of the senior division. Students possessing these subjects at the OSSHGD level may be admitted to the second year of the program.

Two-Year Diplomas
Aircraft maintenance technician.
Admission Requirements: OSSGD. Applicants must also possess the college minimum entrance requirements, including physics and mathematics at the advanced or general level of the senior division.

Avionics technician.
Admission Requirements: OSSGD including math and physics at the advanced or general level of the senior division. Preference will be given to those applicants who also possess courses in electricity or electronics, drafting and calculus.

Engineering technician/building construction.
Admission Requirements: OSSGD. Applicants must also possess the college minimum entrance requirements, including physics and mathematics at the advanced or general level of the senior division. Applicants possessing technical subjects (e.g. drafting, auto-mechanics, electrical machine shop) will be given preference.

One-Year Certificate
Helicopter pilot.
Admission Requirements: OSSGD or equivalent and a fixed wing private pilot's licence. Preference will be given to those who have working and living experience in a remote environment.

Health Sciences
Two-Year Diploma
Nursing.
This program is a post year 4, two-year program leading to the award of a Diploma of Nursing and, upon successful completion of the examinations set by the College of Nurses, certification as a registered nurse.
Admission Requirements: Applicants must possess the minimum entrance requirements as well as two science credits at the advanced level. Preference will be given to students who have physics and chemistry or chemistry and biology. Credits at the advanced (superior) level of the senior division are preferred. Applicants who have biology at the advanced level in lieu of physics will be considered.

One-Year Certificates
Dental assistant, nursing assistant (psychiatric option), preventive dental assistant.
Admission Requirements: For dental assistant, applicants must have an OSSGD and possess the minimum admission requirements and chemistry plus one of the following sciences and mathematics:

a) biology at the advanced (superior) or general level of the senior division, or
b) physics at the advanced (superior) or general level of the senior division and math (minimum junior level). Applicants must complete a Comparative Guidance and Placement Test and a Test of Manual Dexterity.

A certificate of current dental and medical health with a tuberculin test endorsement is also required.
Only a Certified Dental Assistant or a graduate of a dental assistant program who is eligible for certification may apply for the preventive dental assistant program.

For the nursing assistant program, an OSSGD or equivalent is preferred. However, applicants with year 2 will be considered. A Comparative Guidance and Placement Test is required. Applicants must also successfully pass a physical examination, possess a certificate of current dental health and show proof of current immunization.

Continuing Education
The college offers a wide variety of credit and non-credit courses offered through continuing education. In addition, supervisory and management development courses and courses in industrial training are available. The former OMRP academic upgrading and retraining courses are also offered through the college. Other courses and programs can be arranged if sufficient interest is shown.

Library
A well stocked library serves the needs of students and faculty with a wide range of informational resources. The book collection of approximately 65,000 volumes grows at a rate of about 5,000 books a year. The library subscribes to over 600 journals, periodicals and newspapers, as well as many publications of federal, provincial and foreign governments. The library is also equipped with study carrels and an extensive collection of microfilm and associated equipment which provides access to the back files of a large selection of periodical literature. Modern photocopying equipment further facilitates the use of the library's resources and speeds up the information process for library users.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college. An emergency loan fund is available.

Counselling Services
The college maintains a full-time Counselling Centre with qualified counsellors to provide students with confidential assistance in their personal problems.

Career Planning and Placement
Without assuming responsibility for finding employment for graduates, the Career Planning and Placement Officer helps students to plan their careers and assists with their placement by making arrangements for them to meet prospective employers or their representatives.

Living Accommodation
The college offers townhouse apartments as residences for 300 students. Each townhouse has six single bedroom/studies with shared living room, dining area, and kitchen, all appropriately furnished.

Sports
The sports program embraces a wide variety of sports activities at both the varsity and intramural levels. The varsity hockey team and the varsity basketball team compete with other colleges in the Ontario Colleges Athletic Association.

Gymnasium
In the large six-court gymnasium students may participate in a wide range of intramural activities. Free time is made available both during the day and evening to those who wish to exercise.

Further Inquiries
For further information on admission requirements and details about programs and facilities at Canadore College and for information and application forms for student awards and loans please contact
Registrar
Canadore College of Applied Arts and Technology
P.O. Box 5001
North Bay, Ontario P1B 8K9
Telephone (705) 474-7600 ext. 2211, 2131, 2132

For further information and application forms for student residences, please contact
Residence Manager
College Education Centre Residence
P.O. Box 5005
North Bay, Ontario P1B 8L7
Telephone (705) 474-1550

Centennial College of Applied Arts and Technology

Scarborough

President: Douglas E. Light

Centennial College will be celebrating its 10th year of operation during the 1976-77 academic session. The growth of Centennial may be illustrated by the fact that in the first Convocation, held in 1967, 14 students graduated. In the 1974-75 academic year approximately 1,850 students from full-time programs graduated at Centennial.

Although size is important to an academic institution, quality is, of course, of paramount concern. The fact that about 95% of last year's graduates were employed in positions which required the specialized training and education obtained at Centennial indicates the recognition of industry, business and the service sector of the high standards at this institution. The continuing use of advisory committees, coupled with student, faculty and administration participation in curriculum design, ensures a high level of excellence at Centennial.

A new campus at Markham and Progress will be opening in the fall of 1977. It is expected that the total development of this site will be finalized by the late 1970s, at which time some 4,000 full-time students will be in attendance at the Progress Campus.

Enrolment 1975-76
Full-time 3,047
Part-time (FTE) 9,800
Supplementary 8,841

Campus Locations
Warden Woods Campus
651 Warden Avenue
Scarborough

Ashtonbee Campus
75 Ashtonbee Road
Scarborough

Progress Campus (being developed)
401 and Markham Road
Scarborough

Birchmount Campus
424 Birchmount Road
Scarborough

Scarborough Regional Campus
2877 Ellesmere Road
Scarborough

Toronto East General Campus
285 Coxwell Avenue
East York

General Admission Requirements
The basic admission requirement is an Ontario Secondary School Graduation Diploma or the equivalent as determined by Centennial College. Prospective mature students who lack an OSSGD may apply to the college as mature students if they:

a) are over the age of 19 at the beginning of the semester in which they wish to register, and
b) are residents of Canada.

Applicants may be required to write Centennial College admission tests and attend an interview, the results of which will be used as a guide to their placement in the program most appropriate to their aptitudes, experience and educational aspirations.

Foreign Students:

a) A foreign student must meet the general admission requirements of the college before being admitted to a program.
b) Applications from a foreign student who possesses either a visitor's or student's visa will be considered up to 30 days before the start of the semester in which the student wishes to undertake studies.
c) All foreign students applying for admission must demonstrate English language proficiency as measured by the Test of English as a Foreign Language.
d) Before being permitted to complete registration, all students must have a valid student visa issued by Canadian immigration authorities.
e) Transfer of student visa holders between colleges of applied arts and technology must be approved by a letter of recommendation from the first college to the second college.
f) All applications for admission must be submitted on the standard form, Application for Admission to an Ontario College of Applied Arts and Technology. Copies are not acceptable.

•Programs Offered

Academic
Three-Year Diploma
General arts and science (majors in cultural studies, humanities, life and physical science, mathematics, and social sciences).
Admission Requirements: OSSGD.

Two-Year Diploma
General arts and science (majors in creative arts, cultural studies, humanities, life and physical science, mathematics, and social sciences).
Admission Requirement: OSSGD.

One-Year Certificate
General arts and science.
Admission Requirement: OSSGD (year 4).

Applied Arts
Three-Year Diploma
Communications (majors in book publishing and design, creative advertising, journalism, and radio and TV writing).
Admission Requirements: OSSGD and a satisfactory score in the English section of the California Achievement Test; a satisfactory essay of approximately 500 words in length written at Centennial College under the supervision of the communications program faculty; and a positive recommendation after a personal interview with the Chairman of the Communications Department or his designate.

Child care worker, hospitality administration and services (majors in hotel and resort, restaurant and catering, travel and tourism).
Admission Requirements: OSSGD and satisfactory completion of a personal suitability assessment interview given by the Applied Arts Division.

Two-Year Diploma
Correctional worker.
Admission Requirements: OSSGD and satisfactory completion of a personal suitability assessment interview given by the Applied Arts Division; subject to the employment criteria of the Ontario Ministry of Correctional Services.

Early childhood education, recreation leadership, research technician (behavioural studies), social services.
Admission Requirements: OSSGD and satisfactory completion of a personal suitability assessment interview given by the Applied Arts Division.

Food service supervisor, travel counsellor.
Admission Requirement: OSSGD.

Business Administration
Three-Year Diploma
Business administration (majors in accounting and financial management, general management, marketing management, production and operating management, and programmer analyst).
Admission Requirement: OSSGD.

Two-Year Diplomas
General business (majors in accounting, data processing, general management, legal assistant, marketing, and urban transit operations), secretarial science (majors in business, executive, legal, medical secretary).
Admission Requirement: OSSGD.

One-Year Certificate
Computer programming.
Admission Requirements: OSSGD and satisfactory completion of a personal suitability assessment interview and a satisfactory score on the Business Administration Division's Computer Aptitude Test.

Secretarial science (majors in business secretary, executive secretary, general secretary, legal secretary, medical secretary).
Admission Requirements: OSSGD.

Engineering Technology
Three-Year Diplomas
Architectural technology (the third year is optional for students who have successfully completed the two-year architectural technology program), chemical engineering technology (options in industrial and polymer), civil engineering technology (majors in public works and surveying), electrical and electronics engineering technology (options in control systems, electrical power and electronics), industrial microbiology technology, mechanical engineering technology (majors in industrial/production and mechanical design).
Admission Requirements: OSSGD and an average of at least 60% in year 4 senior level mathematics (not business and commerce mathematics), and physical science at a senior level with credits in physics and chemistry.

Two-Year Diplomas
Architectural technician (majors in drafting and building practices).
Admission Requirements: OSSGD and mathematics at the senior level (not business and commerce mathematics), and physical science at a senior level, including credits in physics.

Chemical engineering technician (options in industrial and polymer), civil engineering technician (majors in public works and surveying), electronics engineering technician, industrial instrumentation technician, industrial microbiology technician, mechanical engineering technician (majors in industrial/production design drafting, mechanical design).
Admission Requirements: OSSGD and mathematics at a senior level (not business and commerce mathematics), and physical science at a senior level including credits in chemistry and physics.

Health Sciences
Two-Year Diploma
Nursing.
Admission Requirements: OSSGD and satisfactory completion of a personal suitability interview.

Transportation and Industrial Power Technology
Three-Year Diploma
Fluid power technology.
Admission Requirements: OSSGD with mathematics and science at a senior level.

Two-Year Diplomas
Automotive technician.
Admission Requirements: OSSGD. Applicants may be required to attend a personal suitability interview and will normally be expected to have a technical background.

Fluid power technician.
Admission Requirements: OSSGD with mathematics and science at a senior level.

One-Year Certificates
Aircraft maintenance technician.
Admission Requirements: OSSGD and mathematics at a senior level.

Avionics maintenance specialists.
Admission Requirements: OSSGD with credits in English, mathematics and physics.

Apprenticeship Programs
Alignment and brakes mechanic, auto body repairer, automotive machinist, automotive painter, boilermaker, fuel and electrical systems mechanic, heavy-duty equipment mechanic, motorcycle mechanic, motor vehicle mechanic, motor vehicle mechanic (truck/coach), service station attendant, transmission mechanic, truck-trailer repairer.

Pre-employment Programs
Automotive machinist, electric power production mechanic, fluid power and control mechanic, forklift mechanic, heavy-duty equipment mechanic, marine and small powered equipment mechanic, motorcycle mechanic, motor vehicle mechanic, parts merchandising, service station attendant, truck/coach mechanic, truck-trailer mechanic.

College Developmental Programs
Academic upgrading, college preparatory, commercial.

Continuing Education
This division offers a variety of credit and special interest courses on a part-time day or evening basis, either at the college or on the premises of schools, businesses or industrial firms.

Counselling Services
The college maintains two full-time Counselling Offices staffed by qualified counsellors to provide students with confidential assistance in their personal problems.

Student Placement Service
The college operates a Job Placement Service to assist students in obtaining full-time employment on graduation and part-time employment while they are attending the college, as well as summer employment opportunities.

Student Accommodation
Accommodation for out-of-town students is not provided by the college. However, the Student Services Department attempts to assist students in obtaining off-campus accommodation by maintaining an up-to-date housing registry.

Leisure Education
The college's Leisure Education Department provides organized programs, intercollegiate athletics, intramural athletics, sports clubs and lesiure education programs.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college, as well as information on a revolving loan fund.

Further Inquiries
For further information on admission requirements and college facilities, please consult
Admissions and Records Office
Centennial College of Applied Arts and Technology
651 Warden Avenue
Scarborough, Ontario M1L 3Z6
Telephone (416) 694-3241

For further information and application forms for student awards, please consult
Students Awards Officer
Centennial College of Applied Arts and Technology
651 Warden Avenue
Scarborough, Ontario M1L 3Z6
Telephone (416) 694-3241

Conestoga College of Applied Arts and Technology

Kitchener

President: Kenneth E. Hunter

Conestoga College serves the exciting and rapidly growing communities in the counties of Perth, Wellington, Huron, and the regional municipality of Waterloo in southern Ontario.

Within this area, the college provides post-secondary educational opportunities and relates closely to the needs and desires of the community.

Conestoga College is unique in offering wood products technician, materials management and welding technician programs.

The college stresses the preparation of students for employment in their field, whether it be in business, health, technology, arts or services.

Conestoga College maintains campuses in Cambridge, Doon (Kitchener), Clinton, Guelph, Stratford, and Waterloo. Part-time studies are offered at all centres. Post-secondary programs are offered at Guelph, Doon and Stratford. Manpower training programs are offered at all centres. Apprenticeship programs are offered at Doon, Guelph and Waterloo.

Enrolment 1975-76
Post-secondary 1,552
Nursing 647
Continuing education 14,390
Retraining 1,325
Apprenticeship 115
Total 18,029

•Programs Offered

Applied Arts
Three-Year Diplomas
Broadcasting (radio and television), design (3-D and graphic options), film production, journalism (print), photography.
Admission Requirements: Ontario Secondary School Graduation Diploma. Applicants should have successfully completed secondary school year 4 English. An interview and the submission of a portfolio of creative work are required by the broadcasting (radio and television), design (3-D and graphic options), film production, and photography programs.

Two-Year Diplomas
Consumer and family studies, criminology and law enforcement, early childhood education, food and beverage management, general arts and science, recreation leadership, social services.
Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English. An interview and/or a questionnaire may be required. Applicants must meet the medical criteria established for the consumer and family studies, early childhood education, and food and beverage management programs. Applicants for the social services program should be at least 19 years of age.

Business
Three-Year Diplomas
Business administration (accounting, data processing, and marketing majors), materials management.
Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English and mathematics.

Two-Year Diplomas
Business accounting, business data processing, business retailing, secretarial arts (executive, legal, medical).
Admission Requirements: Business programs — OSSGD; applicants should have successfully completed secondary school year 4 English and mathematics. Secretarial programs — OSSGD; applicants should have successfully completed secondary school year 4 English; applicants with a typing speed of approximately 40 wpm and a shorthand speed of approximately 80 wpm will be considered for direct entry into the second year of the program.

One-Year Certificate
Secretarial optometrical.
Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English.

Technology
Three-Year Diplomas
Air and water resources engineering technology, civil engineering technology, construction engineering technology, electrical engineering technology, electronic engineering technology, mechanical engineering technology.
Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 mathematics, year 3 or 4 physics, and year 3 English. The air and water resources engineering technology program requires year 4 chemistry.

Two-Year Diplomas
Electrical engineering technician, electronic engineering technician, fluid power technician, mechanical drafting engineering technician, mechanical (manufacturing) engineering technician, welding technician, wood products technician.
Admission Requirements: OSSGD. Applicants for the electrical, electronic, mechanical drafting, and mechanical (manufacturing) technician programs should have successfully completed year 4 mathematics and year 3 physics and English. Applicants for the fluid power, welding, and wood products technician programs should have successfully completed year 3 mathematics and English.

One-Year Certificate
Industrial engineering.
Admission Requirements: OSSGD. Applicants should have successfully completed year 3 mathematics and English.

Health Sciences
Two-Year Diploma
Nursing.
The program leads to the award of a Diploma of Nursing, and upon successful completion of the examinations set by the College of Nurses, certification as a registered nurse.
Admission Requirements: OSSGD. Applicants must have successfully completed two different science subjects at the senior level (year 3 or 4). For successful achievement in the program, it is desirable that the student have a background and aptitude for the sciences of biology, chemistry and physics, along with good communication skills. Study in these subjects should be part of a student's preparation for nursing. Applicants must meet the medical criteria established for the nursing program. A questionnaire and an interview are required.

One-Year Certificate
Ambulance and emergency care.
Admission Requirements: OSSGD. Applicants must possess an Ontario chauffeur's licence, and meet the medical criteria established for the ambulance and emergency care program. An interview is required.

Retraining
Conestoga College offers a number of certificate programs that vary in length from 12 to 48 weeks. Details of these programs are available from the college Registrar.

Apprenticeship
Electrical construction, machinist—tool and die, motor vehicle mechanic, plumbing, sheet metal.
Admission Requirements: Specified by the Industrial Training Branch, Ministry of Colleges and Universities.

Resources for Learning
The college provides a wide range of learning resources to complement and extend the opportunities for learning beyond classrooms, laboratories and shops. Library and audio-visual services are extensive. Provision is made for students to learn first hand in actual occupational situations.

Financial Assistance
There is a Students Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
The college maintains a Counselling Centre with qualified counsellors to provide students with confidential assistance in their personal problems and in career planning.

Student Placement Services
A student placement service is available to assist students in obtaining employment on graduation and also in obtaining part-time employment.

Living Accommodation
Residence accommodation is not available at the college. However, rooming and/or boarding facilities are readily available in the area, and a housing registry is maintained for out-of-town students.

Mature Students
Conestoga College will consider for admission to post-secondary programs all applicants who lack the academic requirements but who produce evidence of ability to complete the program. Such students are accepted under the mature student clause and must be 19 years of age or older.

Sports
The athletics program at the college allows participants to become involved in many different types of activities. Golf, chess, fencing, volleyball, bowling, skiing and curling are some of the programs designed to meet the recreational needs of the students.

Further Inquiries
For additional information, contact
Registrar
Conestoga College of Applied Arts and Technology
299 Doon Valley Drive
Kitchener, Ontario N2G 3W5
Telephone (519) 653-2511

Confederation College of Applied Arts and Technology

Thunder Bay

President: B. E. Curtis

Situated on a 175-acre campus in Thunder Bay with numerous satellite locations throughout northwestern Ontario, Confederation College continues to expand its services. Forty-three programs and options are available to post-secondary students. In addition, more than 30 manpower programs are offered in Thunder Bay, Fort Frances, Kenora, Dryden and several other locations each year, meeting the needs and interests of the community.

Enrolment 1976-77 (approximate)
Post-secondary 1,300
Continuing education 5,000
Manpower programs 2,150
Total 8,450

General Admission Requirements
Students wishing to enrol in one, two or three-year programs offered at Confederation College must have an Ontario Secondary School Graduation Diploma with English in years 3 and 4. Applicants who are 19 years of age on or before the date of commencement of classes will be considered for admission as mature students. Programs with admission requirements in addition to an OSSGD are noted in parentheses below.

Applied Arts and Health Sciences
Two-Year Diplomas
Broadcasting radio and TV, early childhood education, film production, general arts and science, interior design (interview and portfolio), law and security, mental retardation counsellor, nursing (interview, letters of reference, two different credits in senior division science — recommended sciences are biology, chemistry and physics), radiological technician (interview, two math credits at the advanced level from years 3 and/or 4, two English or French credits taken at the general or advanced levels from years 3 and/or 4, four science credits taken at the general or advanced level one of which will be year 3 physics), recreational leadership (interview, letters of reference and Supplemental Application Form), social services (interview, letters of reference and Supplemental Application Form).

One-Year Certificates
Dental assistant (interview), law and security.

Business Division
Three-Year Diplomas
Business data processing, hotel-resort-restaurant administration, industrial relations. Admission to all three programs based on successful completion of the two-year diploma requirement.

Two-Year Diplomas
Aviation management (medical examination and interview); business data processing systems (year 4 mathematics); executive, legal, and medical secretarial (successful completion of secretarial arts certificate program); food and lodging administration; general business with options in accounting management, administrative management and marketing and sales management; industrial relations-personnel; travel tourism administration.

One-Year Certificate
Executive secretarial (40 wpm typing, 80 wpm symbol shorthand), legal secretarial (40 wpm typing, 80 wpm symbol shorthand), medical secretarial (40 wpm typing), secretarial arts.

Technology Division
Three-Year Diplomas
Architectural engineering technology, civil engineering technology (year 4 mathematics, year 3 physics and year 4 chemistry with a 70% average if subjects taken at level 4, a 60% average if subjects taken at level 5. Direct entry will be given to the second year of the program for students with an Ontario Secondary School Honour Graduation Diploma which includes English and mathematics A,B,C, physics and chemistry).

Two-Year Diplomas
All programs listed below require year 4 mathematics in addition to an OSSGD.
Aircraft maintenance technician, architectural engineering technician, avionics maintenance technician, electrical technician, electronics technician, electronics (television and audio) technician, mechanical engineering technician, survey technician.

Apprenticeship
Carpentry, electrical.

Manpower Programs
Manpower programs offer upgrading courses to the year 4 equivalency level. Clerical and stenographic courses and English as a second language are also offered, plus a number of skill programs such as cutter and skidder, electronics — home entertainment, heavy-duty equipment mechanic, hospital orderly, marine and small powered equipment mechanic, health care aide, welder fitter.

Resource Centre
The College Resource Centre provides an efficient service to students, faculty and staff. Printed and audio-visual reference material pertaining to all programs is available.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
The college maintains a full-time counselling centre with qualified counsellors to provide students with confidential assistance in solving their personal problems.

Student Placement Services
A full-time student Placement Officer is available to assist students in obtaining employment upon graduation and in obtaining part-time employment.

Living Accommodation
Residence accommodation is not available at the college. However, rooming and/or boarding facilities are readily available in the area.

Further Inquiries
For further information on admission requirements and details about programs and facilities, please contact
Mr. Joseph A. St. Amand
Admissions Officer

Mr. R. Armstrong
Placement Officer

Mrs. Christina Torrie
Student Awards Officer

Confederation College of Applied Arts and Technology
P.O. Box 398
Thunder Bay, Ontario P7C 4W1
Telephone (807) 577-5751

Durham College of Applied Arts and Technology

Oshawa

President: G. E. Willey

Durham College is located just inside the northerly city limits of the city of Oshawa. The modern campus offers attractive rural surroundings set on 132 acres over-looking a proposed conservation area and lake.

Durham College occupies a modern three-storey building with excellent resources for academic study and practical learning.

Durham emphasizes the relationship between student and teacher with an inter-personal approach to all learning. Courses are designed to prepare the student for employment. Durham College offers the following unique programs: air transport technology (three years), industrial administration (three years), legal office administration (three years), sports and entertainment administration (two years with third year optional). In addition, continuing education and academic upgrading programs are offered throughout the year.

Enrolment 1975-76
Full-time 1,050
Continuing education 6,500
Adult education 450
Total 8,000

•Programs Offered

Applied Arts
Two-Year Diplomas (with optional third year)
Administrative arts (public or personnel administration, sports and entertainment administration), communications/graphics/design arts (advertising, design arts, graphic communication, journalism/public relations), design arts (option in industrial and interior design or graphics).
Admission Requirements: Ontario Secondary School Graduation Diploma or equivalent. Year 4 English recommended. Year 4 mathematics also recommended for administrative arts and design arts.

Business
Three-Year Diplomas
Business administration (data processing, finance and acccounting, general, industrial administration, marketing), legal office administration, secretarial science.
Admission Requirements: OSSGD. Year 4 mathematics and English recommended. Students wishing to take the three-year program should be aware that it is considerably more demanding in academic terms (particularly in mathematics) than the two-year program.

Two-Year Diplomas
General business (data processing, finance and accounting, general, marketing), secretarial science.
Admission Requirements: OSSGD from any general or advanced course, preferably with year 4 English. Year 4 mathematics is preferred for general business.

One-Year Certificates
Business, engineering, and legal, medical or general secretarial.

Technology
Three-Year Diplomas
Air transport, chemical, computer, electronic and mechanical technology.
Admission Requirements: OSSGD. Applicants interested in the three-year engineering technology programs should be aware that these are more demanding than the two-year programs. It is recommended that those contemplating a three-year technology program have English, physics, chemistry and, especially, year 4 mathematics. Subjects such as biology, computer science, drafting, electronics, environmental studies, technical report writing, etc., may also provide an adequate background. Applicants who have year 5 credits in English, physics, chemistry, algebra and either calculus or functions and relations will be considered for direct entry into the second year of this program.

Food and drug technology.
This program trains people to work in the food and drug industry where they will help maintain a high calibre of production standards, as established by government regulations. Graduates of this program will find themselves responsible positions which offer excellent remuneration and working conditons.
Admission Requirements: OSSGD, preferably with credits in biology, chemistry and mathematics.

Medical lab technology.
Durham College is offering the first year of this three-year program. Successful students will, upon acceptance, complete the second year of the program at the Toronto Institute of Medical Technology, 222 St. Patrick Street, Toronto. The third year of the program will be primarily clinical with supervised teaching laboratory experience being given in local hospital laboratories.
The first year of this program is common to the food and drug technology program. Consequently, the students in either food and drug technology or medical lab technology have one year in which to make the decision of their future career. Only a limited number of applicants can be accepted for medical lab technology because of the restricted enrolment at the Toronto Institute of Medical Technology. Students wishing to attend the institute will be interviewed before being accepted.
Admission Requirements: OSSGD, preferably with credits in biology, chemistry and mathematics.

Two-Year Diplomas
Civil, computer, electronic and mechanical.
Admission Requirements: OSSGD. Mathematics would be an advantage to students entering these programs. Students who have taken electrical/electronic subjects or mechanical/drafting subjects in any year of high school will find these studies a decided asset in the appropriate two-year program. However, a general academic background, coupled with a strong desire to succeed in the technical field of your choice, can be an even greater asset.

One-Year Certificate
Applied machine shop welding.
A 40-week program of intensive theory and practice. If students prefer, they may continue their studies in the second year of the mechanical techniques program and obtain a diploma.
Admission Requirement: OSSGD.

Health Sciences
Nursing.
The two-year program leads to a Diploma of Nursing and, upon successful completion of the examinations set by the College of Nurses, certification as a registered nurse.
Admission Requirements: OSSGD with successful completion of one full year of study in each of two different credit courses in science. Acceptable sciences are chemistry and one of physics or biology.

Nursing assistant.
The program leads to a Nursing Assistant Certificate and, upon successful completion of the examinations set by the College of Nurses, certification as a registered nursing assistant.
Admission Requirements: OSSGD. Mature students whose work experience and personal background indicate a likelihood of success are encouraged to apply.

Preventive dental assistant.
This program is designed to prepare skilled assistants for employment in dental offices and clinics. After serving a one-year in-service training period in a dental office, graduates of this program will be eligible for certification by the Royal College of Dental Surgeons.
Admission Requirements: OSSGD. Students with chemistry and biology given preference. A personal interview is required for all selected applicants.

Continuing Education
Classes are offered to adults in the community who wish to work toward certificates or diplomas during the day or evening, throughout the year. In addition, an interesting variety of non-credit, special-interest courses is also offered.

Adult Training
Durham College offers academic upgrading, college preparatory and skill courses as well as special courses for business and industry.

Summer Programs
Durham's spring-summer program offers continuing education courses in such fields as business law, business organization, business mathematics and statistics, introductory data processing, economics, marketing, programming 1, advertising and sales promotion, systems and procedures, management strategies and computer science.
Courses are also offered in nursing administration, human resources management and secretarial development, as well as a number of general interest courses.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Student Placement Services
A full-time student Placement Officer is available to assist students in obtaining employment upon graduation and in obtaining part-time employment.

Living Accommodation
Residence is not available on campus. The college maintains a list of clean, comfortable lodgings available in the community. Average cost of room and board is $30-40 per week.

Further Information
For futher information about admission requirements and details about programs and facilities, please contact
Admissions Officer
Durham College of Applied Arts and Technology
P.O. Box 385
Simcoe Street North
Oshawa, Ontario L1H 7L7

For information about student awards and loans, please contact
Student Awards Officer
Durham College of Applied Arts and Technology
P.O. Box 385
Simcoe Street North
Oshawa, Ontario L1H 7L7

Telephone (416) 576-0210

Fanshawe College of Applied Arts and Technology

London

President: J. A. Colvin

Fanshawe College serves the four counties of Middlesex, Elgin, Oxford and Norfolk. Within this area, the college provides post-secondary educational opportunities and relates closely to the needs and desires of the community.

The Fanshawe College main campus is located on a 15-acre site in the northeast section of London. Continuing education programs are offered in London and in other locations where local schools and other existing community facilities are utilized. The college is also responsible for the adult training programs at locations in London, St. Thomas and Port Dover.

Fanshawe enrolled its first students in September 1967. From an initial registration of 800 full-time students, enrolment has grown to 4,800 full-time students in 1975.

Enrolment 1975-76
Full-time 4,800
Continuing education 25,500
Adult training 2,350
Apprenticeship 1,200
Total 33,850

Campus Locations
In addition to the main campus in London, Fanshawe College maintains branches in Woodstock, Simcoe and Port Dover, which offer full-time and part-time courses. Nursing education programs are also located at London, St. Thomas and Woodstock.

General Admission Requirements
The general admission requirement is an Ontario Secondary School Graduation Diploma or equivalent, with modification for certain programs. Applications based on equivalent standing from other provinces or countries will be considered. Applications from mature students at least 19 years of age with marginal qualifications will be considered individually.

•Programs Offered

Applied Arts
Three-Year Programs
Cinematography, creative electronics, environmental art, fine art, graphic design, industrial design, industrial design (fashion), interior design, interior design (decoration), landscape design, music industry arts (recording engineering, recorded music production, music language), photography, printmaking, urban design.

Two-Year Programs
Audio-visual technician, broadcast journalism, hotel restaurant and catering management, photography, radio broadcasting, television broadcasting.

Arts and Science
Three-Year Programs
Air-water resources field technology, science laboratory technology (co-op).

Two-Year Programs
Behavioural sciences, child care worker, early childhood teacher education, general arts and science program, law and security administration, legal office administration (co-op), library technician, mathematics diploma program, mental retardation counsellor, recreation leadership, social service worker, tourism and travel counsellor, urban affairs and real estate.

One-Year Programs
Community mental health, legal office administration.

Business
Three-Year Programs
Business administration, business information systems (co-op), professional secretarial.

Two-Year Programs
Accounting (co-op), business data processing (co-op), executive secretarial, farm business management, general business (co-op), legal secretarial, marketing (co-op), medical secretarial.

One-Year Program
Secretarial arts.

Health Sciences
Three-Year Program
Pre-health science/medical laboratory technology.

Two-Year Programs
Diploma nursing, radiological technology, respiratory technology.

One-Year Programs
Ambulance and emergency care, dental assisting, health care aide/hospital orderly, health records technician, nursing assistant, preventive dental assistant.

Technology
Three-Year Programs
Architectural technology (co-op); civil engineering technology (co-op), construction technology (co-op); control systems technology; electrical engineering technology; electronics engineering technology; heating, refrigeration and air conditioning engineering technology; manufacturing engineering technology (co-op); mechanical engineering technology (mobile equipment); survey technology.

Two-Year Programs
Architectural technician, civil drafting engineering technician, construction technician, electrical engineering technician (co-op available), electronics engineering technician, maintenance engineering technician (co-op), manufacturing engineering technician, mechanical engineering technician (mobile equipment), motive power technician (co-op available), refrigeration and air conditioning engineering technician, survey technician.

One-Year Programs
Biomedical electronics (post-graduate), broadcast technician (post-graduate), motive power management technician, motive power parts technician.

Co-operative Education
Several Fanshawe programs are operated on the co-operative education plan. This plan integrates related on-the-job work experience with classroom theory during alternating periods of work and study. Such a system helps students orient themselves to the world of work and earn while learning, helps them develop their human relations skills and job-search techniques, and usually results in a well developed career plan before graduation. Further information is available from the Co-operative Education Division at the college.

Community Services
Community Services offers a community-oriented program and provides continuing education for adults in London and in 22 other locations served by the college. Credit, special interest and co-operative courses are offered. The regular Fanshawe College diplomas, as awarded to full-time students, can be obtained through the Community Services continuing education program. In addition, Community Services is responsible for the adult training program.

Adult Training Division
Through its adult education centres, the adult training program offers academic upgrading courses and skill training courses to adults who have not had the opportunity to reach their full employment potential.

Adult training information is available at
170 Dundas Street East
London, Ontario N6A 1G9
Telephone (519) 438-5181

297 Adelaide Street South
London, Ontario N5Z 3K7
Telephone (519) 433-6611

10 Ontario Road
St. Thomas, Ontario N5P 3N4
Telephone (519) 633-2030

Apprenticeship Programs
Apprentices (within trades regulated by the Industrial Training Branch of the Ontario Ministry of Colleges and Universities) can be directed to Fanshawe College for part of their training. Apprentice students receive a combination of on-the-job and in-college training. The length and frequency of in-college sessions will vary but, for most of the trades, the college program is divided into a basic session of eight weeks with subsequent intermediate and advanced sessions of seven weeks each.

Fanshawe College provides programs for the following apprenticeship trades: auto body repair, electrical (construction amd maintenance), farm equipment mechanic, hairdressing, machinist, motor vehicle mechanic, plumbing, sheet metal, tool and die.

Entry to these apprenticeship classes is restricted to those apprentices directed to the college by the Industrial Training Branch of the Ontario Ministry of Colleges and Universities.

Inquiries regarding apprenticeship programs should be sent to the nearest Industrial Training Branch District Office or the Industrial Training Branch, Ministry of Colleges and Universities, Mowat Block, 10th Floor, Queen's Park, Toronto, Ontario M7A 2B5.

Library
The college library contains over 28,000 volumes, in addition to an up-to-date supply of magazines, periodicals and other reference materials.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provinical bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Service
Students are invited to discuss their academic, career or personal concerns with one of the college counsellors. Students may also find the answers to some of their questions in the discussion groups led by counsellors. A career counselling-testing program is offered free of charge to students who need assistance in determining their vocational goals.

Student Placement Service
The college operates a student placement service on a year-round basis. The functions of the placement office include liaison with employers, on-campus recruiting by employers, career counselling, labour market information (including a Job Information Centre), job search advice, assistance in finding summer employment for undergraduates and placement assistance to alumni. A file is maintained in the placement office for each graduating student. Students interested in finding employment work with the personnel in the placement office during their final college year.

An on-campus recruiting program is conducted from Janurary through April when employers visit the college to interview students. Interviews are also arranged at the employers' premises. Assistance is available to undergraduates who are seeking summer employment.

Student Housing
The college does not offer its students accommodation in college residences. It does, however, provide a registry through which students obtain accommodation in homes and apartment buildings in the city of London. Inquiries should be addressed to the Off-Campus Housing Service, located in the Student Services Office.

Athletic Program
Fanshawe College participates in and is a full member of the Ontario Colleges Athletic Association. The major sports program includes volleyball, basketball and hockey for men; and volleyball and basketball for women. Other varsity sports include golf, cross-country, tennis, badminton, curling, table tennis, judo and ten-pin bowling, many of which are co-recreational activities. The varsity sports program is subsidized by the student union budget. All students are eligible to participate in the program.

Information
Further information may be obtained by writing to
Fanshawe College
P.O. Box 4005
London, Ontario N5W 5H1
Telephone (519) 451-7270

or by contacting offices of the college at any of the following Fanshawe College locations
1460 Oxford Street East
London, Ontario N5V 1W4
Telephone (519) 451-7270

486 Dundas Street
Woodstock, Ontario N4S 1C3
Telephone (519) 537-6051

56 Norfolk North
Simcoe, Ontario N3Y 2W1
Telephone (519) 428-0580

George Brown College of Applied Arts and Technology

Toronto

President: Clifford C. Lloyd

George Brown College of Applied Arts and Technology was founded in 1968 to serve the education needs of the city of Toronto. From the outset its primary objective has been to train people for employment.

The men and women of today are facing challenges unheard of by previous generations. To meet these challenges, the college offers training for occupational mobility. Courses are up-to-date and apply new materials, new techniques and new developments. The college operates nine campuses, five of which are nursing campuses, and offers nearly 200 programs to prospective students.

Enrolment
The college operates a wide variety of programs of varying lengths and some on a two-shift basis. Many programs have a continuous intake and output with students enrolling and graduating weekly. In addition there are large numbers of part-time students taking courses which start and stop several times throughout the year. In the current school year the number of students registered at the college will be in excess of 40,000.

Campus Locations
Casa Loma Campus
160 Kendal Avenue
Principal: B. Beetles

College Street Campus
507 College Street
Principal: R. Santini

Kensington Campus
21 Nassau Street
Principal: R. Gwilliam

St. James Campus
200 King Street East
Prinicpal: W. Frye

Nightingale Campus
2 Murray Street
Director: H. Yamashita

St. Michael's Hospital Campus
35 Shuster Street
Director: M. Komlos

St. Joseph's Hospital Campus
50 Sunnyside Avenue
Director: M. Gobbi

Toronto General Hospital Campus
90 Gerrard Street West
Director: P. Stanojevic

Toronto Western Hospital Campus
399 Bathurst Street
Director: P. Morley

General Requirements for Admission
Except where otherwise noted, the minimum requirement for entry into post-secondary programs is an Ontario Secondary School Graduation Diploma or equivalent. Admission requirements for short programs vary with the program: many require less than year 4 of secondary school. A student 19 years of age or over may be admitted as a mature student into any program.

•Programs Offered

Architectural Technology
Post-Secondary Programs
Air conditioning technician, civil engineering technician, construction technician, drafting technician (architectural general, mechanical services or structural), materials handling, mechanical engineering drafting, process piping design technician, survey assistant, survey technician, survey technologist.

Short Programs
Appliance servicing, blueprint reading, carpentry general, drafting, drafting refresher, gas fitter, heating technician, masonry, oil burner servicing, process piping drafting, refrigeration and air conditioning, stationary engineering.

Business and Commerce
Post-Secondary Programs
Accounting, business administration, court reporting, electronic data processing, general business, marketing, physical distribution, sales, secretarial science (general executive, legal or medical).

Short Programs
Accounting clerk, bookkeeping clerk, clerk-typist, commerical dicta-typist, commerical refresher, commercial stenographic, data entry operator.

Community Services
Post-Secondary Programs
Addiction counsellor, child care worker, community worker, day care worker.

Short Programs
Basic job readiness, industrial orientation, nursery aide.

Dental Arts
Post-Secondary Programs
Dental hygiene, dental technician, denture therapy, orthotic/prosthetics, preventive dental assisting.

Electro-Mechanical
Post-Secondary Programs
Acoustics technician, electrical design technician, electrical technician, electrical technologist, electronics technician, electronics technologist, industrial instrumentation technician, tool design technician, toolmaking technician.

Short Programs
Business equipment servicing, colour television, electronics general (home entertainment), industrial instrumentation mechanic, lathe operator, machine shop practice, welder fitter, welding operator.

Fashion Technology
Post-Secondary Programs
Apparel management, creative fashion design, furniture production and design, jewelry arts, watchmaking.

Short Programs
Apparel pattern drafting and styling; custom dressmaking and alterations; fur, leather and suede; furniture refinishing and repair; industrial power sewing.

Food Technology
Post-Secondary Programs
Food administration, hotel/motel administration, residential property management.

Short Programs
Baking pre-employment, bartending, chef training pre-employment, cook training, dining room service, hotel front office and reception, retail meat cutting.

Graphic Arts
Post-Secondary Programs
Graphic arts (printing technician), graphic design technician.

Short Programs
Commercial art, offset printing, screen printing, signwriting.

Nursing
Post-Secondary Program
Diploma nursing.

Short Programs
Long term care, neo-natal intensive care, rehabilitation nursing.

Physical Education
Post-Secondary Program
Fitness instructor.

Other Skill Programs
Commercial vehicle driving, English as a second language, tractor-trailer driver.

Apprenticeship Programs (two to five years)
Air conditioning and refrigeration worker, baker, barber, brick and stone mason, carpenter, cement mason, chef, electrician, electronics mechanic, glazier and metal mechanic, hairdresser, ironworker, lather, machinist, millwright, plasterer, plumber, radio and TV service technician, retail meat cutter, sheet metal worker, sprinkler and fire protection installer, steamfitter, structural steel draftsman, toolmaker, watch repairer.

Part-Time Courses
The College offers several hundred part-time courses not only in the evening but, in many cases, during the day. They are designed to cater to the individual student by providing part-time instruction at hours that are convenient to him or her. A part-time course calendar is available on request from the college.

Library
A library is located on each campus. The aim of the library is to provide a carefully chosen collection of material related to the growing range and complexity of college programs. Such materials include a selection of books, periodicals and reference journals, as well as magazines.

Students are encouraged to use the up-to-date vertical file which contains pamphlets and clippings on a variety of subjects of interest to students.

Each library is equipped with a photocopier to provide students with a means of reproducing materials needed.

Orientation tours and instructions on the use of the library's facilities and the services available are a part of the program to invite students to browse through the book shelves, relax, or to study in a pleasant atmosphere.

Each library is staffed by library technicians with a professional librarian responsible for the administration and implementation of library policies.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and /or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
Counselling services are provided on each campus. Counsellors are available at any time during school hours to meet with any student on a voluntary basis. They are competent to provide educational, vocational or personal counselling. Discussions are informal, confidential and supportive of the student. For further information contact the Counselling Centre at any campus, or telephone (416) 967-1212.

Placement
Placement assistance is provided to all students by divisional faculty and staff. The Placement Office provides career planning and employment search information and maintains contact with potential employers on behalf of graduates.

Living Accommodation
Information on living accommodation is available by calling (416) 967-1212. Although residence accommodation is not provided by the college, there is no shortage of rooming facilities in Toronto.

Health Centre
Each campus Health Centre is staffed by registered nurses, with a physician available for consultation on an appointment basis. Students are requested to complete a health history form, and medical examinations are required for admission to some programs.

Athletics
Athletics is a program in which every student is eligible to participate. The Athletic Director operates an intramural program of interclass competitions involving touch football, floor hockey, basketball, pushball, baseball, etc. The college, as a member of the Ontario Colleges Athletic Association, competes in various intercollege sports, such as basketball and soccer.

Further Inquiries
Additional information is available by writing to
Registrar
George Brown College of Applied Arts and Technology
Box 1015, Station B
Toronto, Ontario M5T 2T9
Telephone (416) 967-1212

Georgian College of Applied Arts and Technology

Barrie

President: R. P. Crawford

Georgian College serves the Georgian Bay region with its developing industrial communities and its pleasant recreational areas. Consequently, the college is interested both in the expansion of technological facilities and in preserving the ecological balances of nature. It offers unique programs in resort and hotel administration, including such courses as leisure activities and recreation, and resources technology where considerable emphasis is given to understanding the environment in which we live.

In addition to the Barrie Campus, Georgian College has branch campuses at Orillia, Owen Sound and Penetanguishene. Georgian College nursing programs are located at Barrie, Orillia and Owen Sound; the Orillia Campus is the administrative centre for health science programs. The Owen Sound Campus emphasizes marine technology. The Optical Lens Grinding Centre is located at Penetanguishene.

Enrolment 1975-76
Full-time post-secondary 1,511
Continuing education, retraining, TIBI and MDP 13,000
Total 14,511

•Programs Offered

Applied Arts
Three-Year Diplomas
Design arts (options in creative art, graphic design, industrial design, interior design, and material arts which offers additional options in ceramics and glass, metal, wood and plastics, and textiles and weaving). General arts and science, resort and hotel administration (co-operative, optional).
Admission Requirements: Graduates of the two year programs at Georgian College may enter the optional third year providing they have a minimum average of 65%. Secondary school graduates of the advanced level with 60% overall average may also enter the three-year programs.

Two-Year Diplomas
Advertising, design arts (options in creative art, graphic design, industrial design, interior design, and material arts which offers additional options in ceramics and glass, metal, wood and plastics, textiles and weaving). Early childhood education, fashion promotion (co-operative), general arts and science, journalism, law and security administration, mental retardation counsellor, resort and hotel operation (co-operative).
Admission Requirements: Ontario Secondary School Graduation Diploma.

Business
Third Year Diploma
Business administration (marketing option in second and third years).
Admission Requirements: OSSGD with standing in English and four other subjects with a minimum average of 60%.

Two-Year Diplomas
General business (second year options in marketing and accounting), legal secretarial, medical secretarial, secretarial arts.
Admission Requirements: OSSGD. Ontario Secondary School Honour Graduation Diploma with good short-hand and typing or the general secretarial certificate from Georgian College is required for admission to the second year legal and medical secretarial programs.

One-Year Certificate
General secretarial.
Admission Requirement: OSSGD.

Technology
Three-Year Diplomas
Civil technology (third year option in municipal roads and services), electronic technology, materials technology, mechanical technology, resources technology (all offered at Barrie Campus). Marine engineering technology and marine navigation technology are available at the Owen Sound Campus only. (Both marine programs are co-operative.)
Admission Requirements: OSSGD with standing at years 3 and 4 in English, mathematics and a science. It is suggested that applicants be achieving at a minimum average of 60% to ensure a reasonable degree of success in these programs.

Two-Year Diplomas
Civil engineering technician, electrical technician, electronics technician, industrial technician, mechanical drafting technician, mechanical engineering technician, survey technician (co-operative).
Admission Requirements: OSSGD with standing in English, mathematics and a science.

Health Sciences
Two-Year Diploma
Nursing.
Georgian College offers a diploma program in nursing at Barrie, Orillia and Owen Sound. On successful completion of the program, graduates may write the examinations set by the Ontario College of Nurses for certification as a registered nurse.
Admission Requirements: OSSGD with two science credits at years 3 and 4. Two of the following are recommended: physics, chemistry, biology. Biology is preferred as one of the sciences. In order to ensure a reasonable degree of success in the program, applicants should be achieving a minimum average of between 65% and 70%.

One-Year Certificates
Dental assistant (offered at the Orillia Campus only).
Admission Requirement: OSSGD.
Nursing assistant (offered at various locations in the Georgian Bay region).
Admission Requirement: Year 2

Co-operative Education
Georgian College operates several co-operative programs: fashion promotion, marine engineering technology, marine navigation technology, resort and hotel administration, resort and hotel operation, and survey technician.

These programs have both an academic element and a work/study portion which is taken in industry. The work/study element may extend anywhere from three weeks to eight months depending on the nature of the arrangement with industry.

Summer School of the Arts
Georgian College operates a Summer School of the Arts, concentrating on leisure activities for all age groups during the period from the first week in June until the end of August. Courses such as ceramics, fitness activities, painting, piano lessons, sailing and weaving are available in Barrie, Owen Sound and Orillia, and in about 20 other locations throughout the Georgian Bay region. Included also are theatrical performances by the Gryphon Theatre which is sponsored by the Georgian Foundation for the Performing Arts. The performances are held in the new theatre/auditorium located on the main campus in Barrie. Information about the summer school may be obtained from the
Director
Summer School of the Arts
410 Duckworth Street
Barrie, Ontario L4M 3X9

Extension Services
The Extension Services Division offers day and evening classes to adults in approximately 32 locations throughout the Georgian Bay region. The offerings cover health science subjects, applied arts, business, and technology, as well as courses of general interest. Approximately 150 subjects are now available. Interested candidates should write to the Extension Services Division of Georgian College.

Library
The library at the Barrie Campus contains about 30,000 volumes. Seven smaller libraries are located in other educational centres related to Georgian College at Owen Sound, Orillia and Penetanguishene. The total holdings of Georgian College is approximately 60,000 volumes, plus 125 periodicals.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the Student Awards Office located at the Barrie and Owen Sound campuses. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
The college has a counselling service to assist applicants in course selection, vocational orientation and placement. A full-time counsellor is available at the Barrie Campus. The counselling service is closely related to agencies in the community which have greatly assisted students of the college in a variety of professional services.

Student Placement Service
A full-time placement officer is located on the Barrie Campus, together with the Director of Co-operative Education. They help students to find employment during the college year and upon graduation.

Living Accommodation
There are no residential accommodations attached to any campus of Georgian College. Students normally secure room and board in the local community. There are also rooms available in the residence of the former regional schools of nursing, but these residences are not under the control of Georgian College. Students desiring accommodation must make their own arrangements with the administrator of each of the residences. Information is available through the housing office.

Further Inquiries
Additional information is available from
D. R. McKillican
Dean of College Services and Registrar

C. C. Gaskin
Admissions Officer

W. T. Egan
Student Awards Officer

Georgian College of Applied Arts and Technology
401 Duckworth Street
Barrie, Ontario L4M 3X9
Telephone (705) 728-1951

Information concerning the Owen Sound Campus may be obtained from
R. G. Cameron
Admissions Officer
Georgian College of Applied Arts and Technology
8th Street East
Owen Sound, Ontario N4K 5R4
Telephone (519) 376-0682

Humber College of Applied Arts and Technology

Toronto

President: Gordon Wragg

In September 1967, Humber College was established at the former James S. Bell Public School on Lakeshore Boulevard. Since then enrolment has grown from 500 to over 5,500 post-secondary, 5,000 retraining and more than 45,000 part-time students.

Humber's nine teaching campuses are located in Etobicoke and York, with the main campus (North Campus) presently providing educational facilities for more than 6,000 full-time day students. The North Campus long-range development plans will accommodate an increasing enrolment to some 9,000 daytime students by 1979. In September 1973, the Quo Vadis School of Nursing and the Osler School of Nursing became part of Humber College.

Humber offers some 110 day programs in six divisional areas: Applied Arts, Creative Arts, Human Studies, Business, Health Sciences, Technology, and Retraining and Apprenticeship.

The Centre for Continuous Learning offers more than 1,000 special interest and credit programs for part-time study in the fall, winter and spring semesters.

The philosophy of Humber College is one of pragmatism and flexibility toward the needs of the community. At Humber, people are also given the opportunity of challenge for creative development.

Enrolment 1975-76
Day programs 9,600
Extension division 50,000
Total 59,600

General Admission Requirements
Ontario Secondary School Graduation Diploma or equivalent. Mature students 19 years of age or over. Upgrading programs are available on an individual learning basis.

Applicants to nursing diploma programs must also have two credits in science at the senior level.

Applicants to technology programs must have an OSSGD with four credits in English, four credits in technical or academic mathematics and a minimum of three science credits with better than passing grades.

North Campus
Humber College Boulevard
(6,000 day students)

•Programs Offered

Applied Arts
Six-Semester Diplomas
Fashion careers, landscape technology.

Five-Semester Diploma
Early childhood education for the developmentally handicapped.

Four-Semester Diplomas
Child care worker, early childhood education, family and consumer studies, fashion careers, horsemanship, landscape technician, law enforcement, recreation leadership, rehabilitation worker, retail floriculture, special care counsellor, travel and tourism.

Three-Semester Diplomas
Arena management, ski area management.

Two-Semester Diplomas
Fashion careers, modelling, arena management.

Business
Business Certificate Programs
Accountancy, business administration, business management, chef management, data processing, hotel and restaurant management, manufacturing management, marketing, personnel management, retail merchandising management, secretarial (executive, general, legal, medical).

Business Diploma Programs
Accountancy (credits toward CGA/RIA), business administration (profiles in accountancy, computer programmer, data processing, hotel and restaurant, marketing, personnel), chef management, computer programming, data processing (profiles in computer operator, systems analysis), general business (floor covering marketing), general business (profiles in business assistant, general insurance, life insurance, legal assistant), hotel and restaurant management (profiles in club management, food management, hotel management), marketing (profiles in advertising, general marketing, merchandising management, retail supermarket management, sales, wholesale management), secretarial (executive, legal, medical).

Most business programs are offered on a flexible semester basis, allowing a student to attend on a regular September-to-May basis, a co-operative (work study) program, or any other practical combination.

Creative Arts
Six-Semester Diplomas
Theatre arts, creative cinematography, fine arts, furniture design, interior design, journalism, music package design, public relations, radio broadcasting.

Four-Semester Diplomas
Advertising and graphic design, creative cinematography, creative photography, fine arts, interior design. (An optional fifth and sixth semester program is available for advanced studies).

Health Sciences
Four-Semester Diploma
Nursing.

Two-Semester Diplomas
Ambulance and emergency care, funeral service education, pharmacy assistant, registered nursing assistant and nursing (operating room).

One-Semester Post-Diploma
Registered nursing assistant (operating room), registered nursing (operating room).

20-Week Certificates
Maternal infant nursing.

Eight-Week Post-Diploma
Post basic psychiatric program.

Four-Week Post-Diploma
Coronary care.

Two-Semester Post-Diploma
(one semester full-time and one semester part-time)
Registered nursing (operating room).

Human Studies
Four-Semester Diploma
General arts and science.

Technology
Six-Semester Diplomas
Architectural technology, chemical engineering technology, chemical technology (industrial chemistry option), chemical technology (bioscience option), civil technology, electromechanical technology (automation and controls), electronics technology, electronics technology (video option), hydrographic survey, industrial management technology, industrial safety technology, manufacturing engineering technician, survey technology, technical sales representative, transportation planning.

Four-Semester Diplomas
Architectural technician-design, civil technician, electronics technician, explosives technician, instructional materials centre technician (audio-visual), laboratory technician, manufacturing engineering technician, mechanical technician-design (drafting), mechanical technician (electro-mechanical-automation and controls and numerical-tape controlled machinery), medical equipment maintenance technician, quality control technician, refrigeration and air conditioning (sales) technician, survey technician, tool and die design technician.

Two-and-a-Half-Semester Diplomas
Aerial survey technician, electronics certificate (ILP Program) 48 weeks.

Some programs are offered on the co-operative education (earn-and-learn) basis. For further information contact the Technology Co-operative Education Co-ordinator.

Related Apprenticeship Studies at the North Campus
Carpet and tile installer, hairdressing, horticulture.

Humber Lakeshore 1
3199 Lakeshore Boulevard West

Diploma Programs
Community studies, general arts and science, general business (with specialized studies in accounting, marketing, personnel management), general secretary certificate, metal arts, secretary (diploma and certificate programs in executive, legal, medical), social services.

Certificate Programs
Academic upgrading (year 1-4 equivalent), accounting clerk, bookkeeping clerk, clerk-typist, commercial refresher, data entry operator, dicta-typist, English as a second language, advanced English as a second language, receptionist-typist, stenographer-general, teller-cashier.

Humber Lakeshore 2
56 Queen Elizabeth Boulevard

Two-Year Diploma Programs
Electrical control technician, industrial instrumentation technician, precision instrument technician.

Certificate Programs
Automatic screw machine setter operator (single and multi-spindle), building material sales, camera repair mechanic, drafting, drafting refresher, industrial maintenance mechanic (general and packaging), instrumentation mechanic, machine shop, welder fitter, welder operator, welder refresher.

Apprenticeship Programs
Electrical construction and maintenance, plumbing, sheet metal, steamfitting.

Humber Lakeshore 3
829 The Queensway

Academic upgrading (grade 1 to year 4 equivalent), English as a second language, advanced English as a second language.

Keelesdale Campus
88 Industry Street

Academic upgrading (year 1-4 equivalent), accounting clerk, bookkeeping clerk, clerk-typist, commercial refresher, dicta-typist, English as a second language, advanced English as a second language, receptionist-typist and stenographer-general.

Osler Campus
5 Queenslea Avenue

Four-Semester Diploma
Nursing.

Quo Vadis Campus
160 Sherway Drive

Four-Semester Diploma
Nursing.

Humber-York Centre
The Humber-York Campus of Humber College offers a wide selection of interesting programs in co-operation with local agencies and community groups in the Lakeshore area. For further information on Humber-York write, call, or visit

Humber-York
1721 Eglinton Avenue West
Toronto, Ontario M6E 2H4
Telephone (416) 789-5709

Centre for Continuous Learning
Training in Business and Industry Programs
Advanced effective supervision (part 1), communications, credit and collections, effective supervision administration (office), effective supervision (construction), effective supervision (production), labour relations (construction), labour relations (production), management accounting, marketing for the hospitality industry, marketing management for the middleman, marketing products and services, personnel management, retail management, retail selling.

Continuing Education Programs
Humber offers a wide variety of these programs suited to individual tastes and needs, be they self-improvement, business, or just an interest in continuing education. Courses are offered in the day, on weekends and through the summer.

Further Information
For further information on admission requirements and details about programs and facilities, please contact
Mr. F. A. Embree
Registrar
Humber College of Applied Arts and Technology
P.O. Box 1900
Rexdale, Ontario M9W 5L7

For a list of continuing education courses, write or call
Dean
Centre for Continuous Learning
Humber College of Applied Arts and Technology
P.O. Box 1900
Rexdale, Ontario M9W 5L7
Telephone (416) 678-9195

For information and application forms for the Ontario Student Assistance Program or for loans to part-time students, please contact
Miss Mary McCarthy
Financial Aid Officer
Humber College of Applied Arts and Technology
P.O. Box 1900
Rexdale, Ontario M9W 5L7
Telephone (416) 676-1200 ext. 245

Lambton College of Applied Arts and Technology

Sarnia

President: G. M. Delgrosso

Lambton College is located on a campus which was officially opened by Governor General Roland Michener in March 1971.

A building program, doubling the size of the college, has just been completed. The Retraining Division which was previously located at another campus has moved to the main campus. The complete campus now houses the schools/divisions of business, liberal and applied arts, nursing, technology, continuing education and community services and retraining.

The college offers a wide variety of career programs in the areas of business, secretarial arts, technology, general and applied arts, retraining and industrial training, and nursing. These programs are intended to prepare students for careers in the various areas of employment available in the region.

Enrolment 1975-76
Full-time 762
Continuing education and community services 3,300
Retraining program 350
Modular and industrial programs 1,915
Total 6,327

Admission Requirements
For all programs (except technical, technology, medical laboratory technology and nursing) the Ontario Secondary School Graduation Diploma (OSSGD) with three year 4 credits including English, or equivalent. Applicants may also qualify as mature students by being 19 years of age or older. Normally an interview with a counsellor is also required.

Technical and technology programs — OSSGD including satisfactory standing in year 3 physics and year 4 chemistry, English and mathematics, or the equivalent. Electronics, home entertainment service — OSSGD including satisfactory standing in year 3 physics and year 4 English and mathematics, or the equivalent.

Piping drafting — OSSGD including satisfactory standing in year 3 physics, year 4 English and mathematics, and 3 drafting credits, or the equivalent.

Medical laboratory technology — open to graduates of the preparatory program or students holding the Ontario Secondary School Honour Graduation Diploma with satisfactory standing in year 5 biology, chemistry, English and mathematics (preferably that dealing with functions and relations). Physics, though not obligatory, is recommended as an additional credit. Final acceptance is subject to an interview normally during the spring at one of the affiliated hospitals.

Nursing program — OSSGD with two science credits beyond year 2 or the equivalent. Biology (year 3 or higher) and chemistry (year 4 or higher) are strongly recommended. Mature students may also be considered for admission provided they have an OSSGD.

Advanced Standing
Applicants with credits in excess of year 4 from high school, college and/or university may be admitted with advanced standing. That is, they are not required to take courses for which they have attained satisfactory standing elsewhere. With an appropriate selection of year 5 credits, students may be directly admitted to the second year of any technology program or the general arts and science program.

With satisfactory standing in year 4 English, typewriting or office practice and Pitman shorthand included in the OSSGD, students may be directly admitted to the second (specialty) year of the secretarial arts program.

•Programs Offered

General and Applied Arts
Two-Year Diplomas
Early childhood education, general arts and science (with a wide variety of majors), radio, recreation (parks operation and services), television and journalism arts.

One-Year Certificates
Art fundamentals, infant and toddler care and guidance. For infant toddler care and guidance, students must have successfully completed the first year of an acceptable early childhood education program or be an early childhood education graduate. Each 10-week semester is offered over two consecutive summers.

Business
Three-Year Diploma
Business administration (majors in accounting, marketing and combination accounting/marketing).

Two-Year Diplomas
Accounting, marketing, secretarial arts (executive, legal and medical majors).

Secretarial arts has a common first year with specialization in the second year. The accountancy, marketing and business administration programs have a common first semester enabling new students to delay selecting their programs until the beginning of the second semester. Students can then make an enlightened decision on the choice of their programs.

One-Year Certificate
Secretarial arts.

Technology
Three-Year Diploma
Engineering technology (chemical, electronics, industrial hygiene and mechanical).
The first semester of each program is common, so that students may delay selection of their area of specialization until the beginning of the second semester.

Two-Year Diplomas
Engineering technician (chemical, mechanical drafting), medical laboratory technology.
The first year of medical laboratory technology is academic and the second, a year of clinical experience in one of the affiliated hospitals.

One-Year Certificates
Medical laboratory technology preparatory program. Graduates of this one-year preparatory program will have fulfilled the academic requirements of the Canadian Society of Laboratory Technologists for eligibility to enter a complete training program in medical laboratory technology at Lambton College or at any other approved program in Canada.

Process operations program.
This program is specifically designed to prepare secondary school graduates with the prerequisites for employment in the process industries. Planned in very close co-operation with the process industries in Sarnia's "Chemical Valley," this program provides the student with an understanding of the process equipment employed, along with an understanding of the principles of operation involved.

Electronics, home entertainment service program.
This program is specifically designed to produce a graduate who will be able to diagnose, locate and repair all faults in electronic home entertainment equipment in a systematic manner with a high degree of proficiency.

Piping drafting.
Planned in close co-operation with consulting engineering, fabrication, construction and processing companies in Sarnia's "Chemical Valley," the program is designed to fill the critical local and nationwide need for draftsmen. People possessing skills developed in this program will have a definite advantage for employment in these companies. The entire program consists of drafting courses in the drafting room and does not involve other academic courses. Thus students will work under conditions closely duplicating those they will meet after graduation.

Nursing
Two-Year Diploma (six semesters)
Graduates of this program are able to plan and give care to individuals of all ages, and to function as general staff nurses in health care agencies in which leadership is provided by experienced personnel.

Selected clinical experiences provide the opportunity for students to relate theory to nursing practice. Students receive clinical experience in a variety of community agencies, general hospitals, public health agencies, doctors' offices, senior citizens' facilities and extended care facilities.

Successful completion of this program qualifies graduates to write the registration examinations of the College of Nurses of Ontario.

Continuing Education and Community Services
All business and general and applied arts diplomas are available through evening study. Technology courses at all three advanced technical evening class levels are available. The Division of Continuing Education offers various co-operative courses in association with such groups as the Association of Professional Engineers of Ontario, the Canadian Institute of Management, the Registered Industrial Accountants, the Insurance Institute and the Ontario Real Estate Board.

A wide variety of general interest and non-credit courses is also offered both in the evenings and on weekends.

Retraining and Industrial Training
A wide variety of programs are offered including academic upgrading to the equivalent level of year 4, clerical and stenographic courses, English as a second language, specialized skill courses, welder fitter, appliance servicing, marine and small engine mechanics, and the training in business and industry programs. One-year programs in electronics home entertainment service and process operations are also offered in co-operation with the Technology Division.

An industrial day-release program is offered in co-operation with local industry and the Industrial Training Branch of the Ministry of Colleges and Universities.

Counselling Services
Lambton College maintains a full-time counselling centre staffed by professional counsellors to provide students with confidential career, academic and personal counselling. A testing centre provides a full range of interest, aptitude and vocational tests, and ensures complete assessment and evaluation of students.

Student Placement Services
A full-time Placement Officer is available to assist students in obtaining permanent employment on graduation, part-time employment during the term and summer employment between terms. A registry of available jobs is posted daily.

Living Accommodation
A residence for female students is located on campus. In addition, the college maintains a registry of available rooming and boarding houses, apartments and other rental facilities. This registry is available to registered students upon request.

Athletics
It is the aim of the Athletics Department to provide students with an opportunity to take part in leisure time, intramural and varsity activities of their choice. An intramural program is organized and administered through a Student Athletic Association with the assistance of the Athletic Department when required. These activities may include: golf, tennis, touch football, men's volleyball, women's volleyball, men's basketball, hockey, table tennis, billiards, floor hockey, badminton, slow-pitch baseball, bicycle marathon, joggers' club, broomball, cheerleading, archery and horseshoes.

Intercollegiate programs give students a chance to compete at a more demanding level. Lambton College is a full participating member of the Ontario Colleges Athletic Association (OCAA) which is a 26-team, four-divisional conference.

Further Information
For further information regarding Lambton College, please contact
Registrar
Lambton College of Applied Arts and Technology
1457 London Road
P.O. Box 969
Sarnia, Ontario N7T 7K4
Telephone (519) 542-7751

Loyalist College of Applied Arts and Technology

Belleville

President: Herbert Young

Loyalist College was established at Belleville in 1967 to serve the Quinte region of Ontario comprising the counties of Hastings, Lennox and Addington, Prince Edward and Northumberland, except the town of Cobourg and the western townships of Northumberland. The campus comprises 137 acres of picturesque wooded land on Wallbridge-Loyalist Road just west of the city of Belleville.

The first phase of the permanent building complex was occupied in the fall of 1970. A second building to house the administrative offices, library, student centre and academic area was opened in the fall of 1972. The third building of the permanent complex opened in September 1973.

The college stresses the preparation of students for employment in their field, whether it be in business, technology, arts or services.

Enrolment 1975-76
Full-time 1,100
Continuing education 7,000
Retraining 500
Apprenticeship 40
Total 8,640

• Programs Offered

Business and Communications
Three-Year Diplomas
Accountancy, business administration, communication studio techniques, data processing, hotel management, secretarial.
Admission Requirements: OSSGD (27 credits). Credits will be granted for year 5 English and other applicable subjects to the program in which the applicant is enrolled. Credits may also be granted for courses at other post-secondary educational institutions, at the discretion of the School Director. Official transcripts must be presented.

Mature applicants (over 19 years of age at date of registration) will also be considered.

Two-Year Diplomas
Accountancy, assessment appraisal-real estate, business administration, communication studio techniques, data processing, education resource technician, general arts and science, secretarial.
Admission Requirements: Same as for three-year diplomas.
Accelerated accountancy. Commencing in September, January or May, a student may complete a regular two-year accountancy program in one 12-month period.
Admission Requirements: OSSGD including year 4 accounting and business mathematics. Mature applicants (over 19 years of age at date of registration) will also be considered.

Health Sciences and Community Studies
Two-Year Diplomas
Behavioural sciences, early childhood education, law and security management, nursing, residential counsellor-mental retardation.
Admission Requirements: OSSGD (27 credits). Credits will be granted for year 5 English and other applicable subjects to the program in which the applicant is enrolled. Diploma nursing applicants are required to have an OSSGD including two science subjects at a senior level. Preference is given to those having year 4 chemistry, year 3 biology or physics and year 3 math. Credits may also be granted for courses at other post-secondary educational institutions, at the discretion of the School Director. Official transcripts must be presented.

Mature applicants (over 19 years of age at date of registration) will also be considered. Diploma nursing and nursing assistant applicants must pass health examinations and personal interviews.

One-Year Certificates
Nursing assistant (leading to Registered Nursing Assistant certification by the Ontario College of Nurses), security officer.
Admission Requirements: Nursing assistant — year 4 Ontario certificate or equivalent. Mature students (over 19 years of age) with a year 2 Ontario certificate will also be considered. Applicants will be interviewed and must pass a health examination. Security officer — OSSGD and/or mature student status.

Certificates of Achievement
Health care aide (16-week course for those who wish to work in nursing homes and homes for the aged), hospital central service program (16-week course to prepare people for employment in preparation, processing and distribution of medical and nursing supplies in various hospital departments).
Admission Requirements: Ontario year 2 (grade 10) certificate. Mature applicants (over 19 years of age at date of registration) will also be considered for health care aide if they have Ontario grade 8.

Technology
Three-Year Diplomas
Chemical, civil, electrical and electronic technology.
Admission Requirements: Three-year technology, two-year technician and one-year electronics programs. Normally, applicants will be expected to have an OSSGD with standing in mathematics at the general (year 4) or higher level and in year 3 physics at the general or higher level.

Students who lack standing in secondary school year 4 English will be required to take 011A English. Applicants for chemical and water resource technician and technology programs are required to have standing in year 4 chemistry.

Although no specific standing is required, applicants for the three-year technology programs must have demonstrated academic achievement which would indicate the probability of successful completion of the program.

Applicants with qualifications beyond the minimum entrance requirements may be granted credit in subjects applicable to their program. Students with standing in year 5 English, mathematics, physics and chemistry may be admitted to the second year of a three-year technology program. They will be required to complete a course in engineering drawing if drafting was not taken in secondary school. Credits may also be granted for other secondary school year 5 courses, courses at other community colleges, universities or other educational institutions at the discretion of the School Director. Official transcripts must be presented.

Two-Year Diplomas
Architectural, chemical engineering, civil engineering, construction engineering, electrical engineering, electronic engineering, accelerated mechanical engineering technician — 50 weeks (mechanical drafting and tool and die making options), senior survey technician, water resources field technician.
Admission Requirements: See three-year diploma admission requirements.

One-Year Skill Programs
Construction trades helper (16 weeks), electronic servicing mechanic (48 weeks), industrial maintenance mechanic (40 weeks), welder fitter (40 weeks).
Admission Requirements: Construction trades helper — year 2 or relevant practical experience background. Electronic servicing mechanic — Ontario year 2 or equivalent. Industrial maintenance mechanic — Ontario year 2 (year 4 preferred). Welder fitter — Ontario year 2 or equivalent.

Extension Division
Courses leading to college certificates and diplomas are offered in accountancy, business administration, conversational French, data processing, law and security management, as well as many technical courses at the technician and technology level. In addition, a wide range of co-operative courses are provided at the Belleville Campus. Interest and hobby courses are also offered at the Belleville Campus and at many high schools throughout the four counties served by Loyalist College.

Summer Programs
Loyalist College offers summer courses in creative ceramics, creative jewelry design, gemstone geology, lapidary art, pencil and brush, plastics, sculpture. These programs are offered at various locations in the area served by the college.

Retraining
Programs are offered in academic upgrading, business and farm management, commercial upgrading, drafting and other skills.

Apprenticeship
Loyalist College provides classroom instruction for the apprenticeship programs offered by the Industrial Training Branch of the Ministry of Colleges and Universities. Areas of apprenticeship instruction assigned to Loyalist in 1975-76 are electrical construction and maintenance, machinist courses, and motor vehicle repair. Loyalist does not register apprentices directly; this is done at the Industrial Training Branch which provides all details of the program and does the scheduling.

Information concerning qualification requirements leading to certification can be obtained by contacting the Industrial Training Branch, Ministry of Colleges and Universities, Mowat Block, Queen's Park, Toronto, Ontario M7A 2B5, or the local office of the branch at Belleville. Telephone (613) 962-8436 for an interview.

Library
The college has a collection of 21,000 books (not including periodicals) and a multi-media resource centre.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Full-time students who are ineligible for financial aid under the provisions of OSAP or other student aid programs, may apply through the Student Awards Office for a college assisted bank loan, repayable upon graduation. Short-term loans are also available to students encountering temporary financial difficulties during the academic year.

Counselling Services
A comprehensive service, co-ordinated by the Department of Student Services, is available to all students and applicants.

Student Placement
The on-campus Placement Office provides counselling in career choice, consolidates information on current job opportunities and assists students in obtaining regular, summer and part-time work.

Living Accommodation
There is no living accommodation on campus. An extensive list of homes and residences in the Belleville area offering rooming and boarding facilities is available from the Department of Student Services.

Sports
The college's athletics program ranges from outdoor education activities such as canoeing, camping and cross-country skiing, to recreational, intramural and intercollegiate competition. The Loyalist Lancers compete, for example, in intercollegiate (OCAA) archery, badminton, basketball, curling, golf, volleyball, soccer, skiing and tennis. Basic instruction is provided to any student seeking to learn a new sport.

Further Inquiries
For further information, contact
Registrar
Loyalist College of Applied Arts and Technology
Wallbridge-Loyalist Road
P. O. Box 4200
Belleville, Ontario K8N 5B9
Telephone (613) 962-9501

Mohawk College of Applied Arts and Technology

Hamilton

President: Sam Mitminger

Mohawk College serves much of the industrial heartland of southwestern Ontario and its hinterland including the cities of Hamilton and Brantford and surrounding area.

The college's main Fennell Campus, located at 135 Fennell Avenue West on Hamilton's mountain, houses the majority of post-secondary programs with the exception of health sciences. The college maintains seven separate health sciences facilities, four separate nursing campuses, and departments of radiography, physiotherapy and medical laboratory technology. The Faculty of Health Sciences, with a total enrolment of 1,100, has developed a unique relationship with the Faculty of Health Sciences of McMaster University. Professional input, both in the development and teaching of programs, is shared to the benefit of the students of both institutions.

Mohawk College maintains two large, modern facilities used primarily to offer retraining programs. These are the Braneida Campus in Brantford and the Saltfleet Campus in the heavily industrial Saltfleet Township, east of Hamilton.

Mohawk College's Wentworth Campus and its English Language Centre are both located in downtown Hamilton. The former houses a number of apprenticeship and business programs while the latter offers English language classes to new Canadians, in conjunction with the Hamilton Multicultural Centre. In the Haldimand-Norfolk region Mohawk College, in co-operation with McMaster University, has set up the Mohawk College-McMaster University Education Information Centre which offers a variety of continuing education courses for residents in that region.

The co-operative concept of education is significantly advanced at Mohawk College. By the fall of 1974, nine post-secondary programs representing a student enrolment of over 800 had been modified to supplement academic study by paid work experience in the field. The college feels that co-op has many advantages to the student and the potential employer and creates an environment in which theory and practice are closely linked. Plans call for other post-secondary programs to become co-operative in the future.

Mohawk College has the second largest college enrolment for technology in the province. The very broad range of programs offered in this area includes textile engineering technology, the only program of its kind taught in English in Canada. Transportation planning technology is the only three-year program available in Ontario to train people to enter this dynamic field.

Enrolment 1975-76
Full-time 4,318
Retraining 4,000
Apprenticeship 1,500
Continuing education 19,000

•Programs Offered

Applied Arts and Business
Three-Year Diplomas
Advertising, business administration (optional third year specialization in accounting and marketing), television and film production.
Admission Requirements: OSSGD with good standing in year 4 advanced English and, for business administration, also algebra-based mathematics taken in years 3 and 4 plus three additional year 4 subjects.

Two-Year Diplomas
Accounting, child care, community planning, early childhood education, finance, insurance administration, law and security administration, marketing, recreation leadership; secretarial (general, legal and medical), social services.
Admission Requirements: OSSGD with year 4 English and, for the business programs, also year 4 mathematics and three additional year 4 subjects.

Applied Science and Technology
Three-Year Diplomas (Technology Programs)
Architectural (co-operative), chemical engineering, civil engineering, computer systems (co-operative), control systems engineering (co-operative), electronics engineering (co-operative), industrial management (co-operative), mechanical engineering (production, design and motive power options, co-operative), metallurgical engineering, textile engineering technology, transportation planning technology (co-operative).
Admission Requirements: OSSGD. Applicants who have successfully completed English at the advanced level, mathematics at the year 3 and 4 advanced level, physics and chemistry at the year 3 and 4 advanced level are generally well prepared for the three-year technology programs. Applicants with these subjects taken at the general level will be considered on an individual basis. Under certain conditions, a technical subject taken at an acceptable level may be substituted for either chemistry or physics.

Applicants for the architectural technology program may substitute one of the following options for physics or chemistry: history, art, architectural drafting or construction technology.

Applicants for the computer systems technology program and the transportation planning technology program must have completed the requirements for an OSSGD with English at the year 4 advanced level and mathematics at the year 3 and 4 advanced level.

Technology applicants who have taken mathematics at the year 3 and 4 general level will be required to take a summer preparatory mathematics course. Exemption from the preparatory mathematics course can be obtained by writing a mathematics test which will determine the student's mathematical functioning level.

Two-Year Diplomas (Technician Programs)
Architectural, chemical engineering, civil engineering, construction engineering, data processing, electrical systems engineering, electronics engineering, industrial engineering, instrumentation, mechanical drafting.
Admission Requirements: OSSGD with good standing in year 4 mathematics and English. One of physics, chemistry or a technical subject taken at the year 3 level or higher.

One-Year Diplomas
Parts management and merchandising, stationary engineer.
Admission Requirements: OSSGD with year 4 English, and one of physics, chemistry or a technical subject taken at the year 3 level or higher, year 3 mathematics. The stationary engineer program also requires year 4 mathematics.

Apprenticeship Courses
Carpenter, electrician, hairdresser, motor vehicle mechanic, plumber, refrigeration and air conditioning mechanic, sheet metal worker.

Health Sciences
Three-Year Diploma
Physiotherapy.
During second and third years, students are based in the Physiotherapy School at the Chedoke Hospital and instruction is given by members of the Faculty of Medicine (McMaster University), Mohawk College faculty and other medical resource people.
Admission Requirements: OSSGD and good standing in the following subjects taken at the advanced level: year 4 English, year 3 and 4 mathematics, and two of physics, chemistry or biology completed in year 3 or 4. Every applicant will be considered on an individual basis. Acceptance into the program will also be based on a personal interview and tests.

Two and Three-Year Programs
Radiography.
Admission requirements for entry into the first year of both programs: OSSGD with good standing in advanced level mathematics taken in year 3 and 4, physics taken in year 3, plus any three other science credits and years 3 and 4 English. Acceptance into the program will also be based on tests and a personal interview with hospital representatives.

Upon graduation from the program students will be required to write the CSRT (Canadian Society of Radiological Technologists) examination in order to become eligible for certification.

The two-year program prepares the majority of students for radiographic work in hospital departments, whereas the three-year program may lead to eventual promotion to senior professional responsibilities.

The academic year consists of eleven months with one month's holiday. Both programs have a common first year which constitutes the first year of professional training and may potentially be used as credit toward university studies.

Two-Year Diplomas
Nursing.
This program leads to a Diploma of Nursing and, upon successful completion of the examinations set by the College of Nurses, certification as a registered nurse.
Admission Requirements: OSSGD with two senior level sciences. Desirable preparation includes advanced level science courses (such as biology, chemistry, physics) and English. A personal interview is normally required.

Medical Laboratory Technology.
This program leads to a diploma qualifying students to write the General Certificate Examination of the Canadian Society of Laboratory Technologists.
Admission Requirements: OSSHGD (Ontario year 5 or equivalent) with good standing in the following subjects: chemistry, mathematics (relations and functions), a second science (preferably biology), and additional credits for a minimum of six. Year 5 English is strongly recommended as one of the six credits. Acceptance is also based on testing, a personal interview, and is dependent upon the student's obtaining training placement in one of the approved hospitals.

Library
Mohawk College's attractive library contains over 30,000 volumes and documents and encompasses a large number of areas for relaxed study. The spacious resource centre houses all sound and audio-visual learning materials and facilities including three fully equipped media studios.

Counselling Services
The college maintains a full-time counselling centre with qualified counsellors to provide students with confidential assistance in their personal problems and to assist the faculty in counselling students in academic matters.

Further Inquiries
For further information on admission requirements and details about programs and facilities, please contact
Registrar
Mohawk College of Applied Arts and Technology
135 Fennell Avenue West
Hamilton, Ontario L8N 3T2

For information and application forms for students awards and loans please contact
Student Awards Officer
Student Services Division
Mohawk College of Applied Arts and Technology
135 Fennell Avenue West
Hamilton, Ontario L8N 3T2

Telephone (416) 389-4461

Niagara College of Applied Arts and Technology

Welland

President: A. S. Manera

Niagara College is located on a main campus of 100 acres in Welland, Ontario, as well as on five satellite locations in the Niagara Peninsula. Its 430,000 square feet of facilities include an outstanding resource centre, a data processing centre, a modern television and radio studio as well as a gymnasium and outdoor tennis courts.

Learning at Niagara College is considered to be the mutual responsibility of the students, faculty and administration, and it is marked by the close relationship of all three groups.

Enrolment 1975-76
Full-time 2,410
Extension 11,895
Retraining 1,300
Total 15,605

Campus Locations
All post-secondary courses are offered at the main campus in Welland with the exception of:
Horticultural technician, which is given at
Department of Horticulture
360 Niagara Street
St. Catharines, Ontario L2M 4W1

Theatre arts, offered at
Niagara College Theatre Centre
54 Empire Street
Welland, Ontario L3B 2L4

Hotel and restaurant administration and tourism, available at
Sheraton Foxhead Inn
5875 Falls Street
Niagara Falls, Ontario L2G 3K6

Nursing education, offered at
Mack Centre
St. Catharines, Ontario L2R 7C6
and at
Niagara Centre
5673 North Street
Niagara Falls, Ontario L2J 5X8

•Programs Offered

Applied Arts and Health Sciences
Two-Year Diplomas
Early childhood education, educational resources technician, fashion arts, general college diploma, graphic arts, horticultural technician, human relations, interior decorating, journalism, law and security administration, library technician, health record technician, nursing education, radio and television arts, social services, theatre arts.
Admission Requirements: Ontario Secondary School Graduation Diploma. In addition, a personal interview is required in the early childhood education, medical records, radio and television arts, social service worker and theatre arts programs.

A personal interview and credits at the advanced level in chemistry and physics or biology are required for the nursing education program.

Two-Year Diplomas (Third Year Optional)
Fashion arts, journalism, radio and television arts, theatre arts.
Admission Requirements: Same as above.

One-Year Certificates
Dental assistant, dicta-typist health records.
Admission Requirement: OSSGD. In addition, a personal interview may be required.

Business
Three-Year Diplomas
Business administration (third year specialization in data processing, financial, industrial, marketing or personnel management).
Admission Requirements: OSSGD with standing in year 4 level English and mathematics.

Hotel and restaurant administration, secretarial science.
Admission Requirement: OSSGD.

Two-Year Diplomas
Bilingual secretary, general business (second year specialization in accountancy, electronic data processing, merchandising, and sales), legal assistant, retail management, secretarial arts.
Admission Requirement: OSSGD.

One-Year Certificates
Secretarial-steno typist, secretarial-dicta typist.
Admission Requirement: OSSGD with advanced typing or shorthand skills.

Technology
Three-Year Diplomas
Construction technician, engineering technology (second and third year specialization in chemical, electronic, mechanical, metallurgical production, and electrical power engineering technology).
Admission Requirements: OSSGD with standing in year 3 physics and year 4 mathematics and chemistry.

Two-Year Diplomas
Chemical technician, electrical technician, electronic technician, mechanical technician (major options in mechanical design or mechanical production), refrigeration and air-conditioning technician, survey technician.
Admission Requirement: OSSGD.

Retraining
Programs offered in retraining are designed to meet the changing demands of business and industry and provide a learning situation whereby persons may be prepared for upward job mobility or entrance to other levels of learning.

Extension Division
Through the Extension Division, Niagara College serves the needs of the part-time students interested in courses at the college level. Many of the diploma programs in applied arts, business, health sciences and technology are offered through extension. In addition, the School of Community education serves the community through its special interest courses and its programs in labour studies and labour-management relations.

Library
The library's collection contains 35,000 volumes, with 650 periodical subscriptions.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details about a short-term emergency loan fund as well as scholarships and bursaries offered by the college.

Counselling Services
Niagara College counsellors are concerned with the well-being and personal development of each person using their services. Professionally qualified counsellors are available for confidential consultation on educational and vocational planning, personal difficulties, and on other matters of concern to the student.

Student Placement Services
A full-time Placement Officer is available on campus to assist students in obtaining part-time, summer and permanent employment.

Living Accommodation
There are no residences or dormitories on campus. Students will be given assistance in finding suitable lodgings off campus. Inquiries about accommodation should be directed to the Registrar.

Sports
The college offers a full recreational, intramural and inter-collegiate program.

Additional Expenses
In certain applied arts programs an additional materials fee is payable by all students. Please consult the college calendar for further information.

Further Inquiries
Please address inquiries about admission requirements and specific programs to
Admissions Office
Niagara College of Applied Arts and Technology
Woodlawn Road
Welland, Ontario L3B 5S2
Telephone (416) 735-2211

Northern College of Applied Arts and Technology

Haileybury, Kirkland Lake, South Porcupine

President: J. H. Drysdale

Northern College offers post-secondary education to a vast area encompassing 58,000 square miles of beautiful forest and mineral-laden countryside. Students have three campuses from which to choose.

The Haileybury School of Mines Campus, formerly the Provincial Institute of Mining, is unique. It is geared strictly to serving the education needs of the mining industry and, because of its fine reputation in that industry, has students attending from all parts of Canada and from abroad.

The Kirkland Lake Campus was formerly the Northern Ontario Institute of Technology where students obtained an excellent education in a variety of technical fields. This high level of technological education is still maintained and business administration has been added to the list of programs. Northern's welding engineering technology program, offered at Kirkland Lake, is unique in the community college system. The Kirkland Lake Campus has a co-ed residence with room for 48 students.

The Porcupine Campus was developed to meet the particular needs of the Timmins, Iroquois Falls, Cochrane, Smooth Rock Falls, Kapuskasing, and Hearst areas, but all campuses serve the entire districts of Cochrane and Temiskaming. The Porcupine Campus offers three-year programs in surveying and business administration and a range of two-year programs in applied arts, business and technical areas, as well as in nursing. Special programs of the campus are social services, bilingual secretarial science, early childhood education, child care, fine arts and crafts, hospitality administration and food services, and the registered nursing assistant program.

The Retraining Division is located on the Porcupine Campus. However, it offers programs on each campus and at educational centres throughout the Cochrane and Temiskaming districts, as far north as Winisk on the coast of Hudson Bay.

The Retraining Program provides outreach to the community through Continuing Education, Extension, Training in Business and Industry, and Management Development Programs.

Enrolment 1975-76
Full-time 856
Continuing education 2,279
Retraining 414
Management development 240
Training in business and industry 1,546
Pre-certificate 56
Total 5,391

Campus Locations and Program Specialization

Haileybury School of Mines
Mining technology — a broad curriculum, integrating geology, mining and metallurgy. Industrial instrumentation (process measurement and control).

Kirkland Lake Campus
Biochemical technology, business administration, chemical, civil, computer science, data processing, electrical, electronics, electronic technician, industrial chemical technician, laboratory technician, mechanical, mechanical technician, medical lab technology (first year only; transfer program), nursing, secretarial science, welding.

Porcupine Campus
Architecture, business administration, child care, early childhood education, electrical, electronics, fine arts and crafts, health care aide, hospitality administration and food services, nursing, registered nursing assistant, secretarial arts, social service, surveying.

•Programs Offered

Applied Arts
Two-Year Diplomas
Child care, early childhood education, fine arts and crafts, social service worker.
Admission Requirements: Ontario Secondary School Graduation Diploma or equivalent, or mature student status.

Business
Three-Year Diplomas
Business administration, business administration (accounting, administration marketing and wood products industry options), data processing, secretarial science (English and bilingual) with concentration in general, medical or legal.
Admission Requirements: OSSGD or equivalent, or mature student status.

Two-Year Diplomas
Accountancy amd marketing, business program in accounting, business program in administration and marketing, hospitality administration and food service, secretarial arts with concentration in general, medical or legal.
Admission Requirements: OSSGD or equivalent, or mature student status.

One-Year Certificates
Clerk typist, dicta typist, secretarial arts.
Admission Requirements: OSSGD or equivalent, or mature student status.

Technology
Three-Year Diplomas
Broad curriculum mining, chemical (biochemical technology and engineering), civil, computer science, electrical, electronics, mechanical, survey, welding.
Admission Requirements: OSSGD or equivalent, or mature student status.

Two-Year Diplomas
Architecture, broad curriculum mining, electrical, electronics, industrial chemistry technician, industrial instrumentation, laboratory technician, mechanical, survey.
Admission Requirements: OSSGD or equivalent, or mature student status.

Health Sciences
Two-Year Diploma
Nursing.
Admission Requirements: OSSGD or equivalent, including credits in chemistry, and one other science (physics or biology) and two sciences at the senior level, or mature student status.

One-Year Certificate
Nursing assistant.
Admission Requirements: Year 2 and minimum age of 17, or mature student status.

Retraining and Apprenticeship Division
The Division offers personalized programs of study tailored to the needs and goals of the individual.

a) Academic upgrading programs are available from basic to college entry levels. Students may enter a course at any time and graduate whenever the course objectives are met. Upgrading programs are also offered in French.
b) Business and commerce skill programs are modularized and may lead to certification as an accounting clerk, bookkeeping clerk, clerk-typist, dicta-typist, receptionist-typist, or stenographer-general. Commercial refresher programs are also available.
c) Technical skill programs offered are: appliance servicing, carpentry, construction trades helper, cutters and skidders, diamond drilling operator, forestry filers, forestry graders and scalers, forestry millwright, heavy-duty equipment (diesel) mechanic, hospitality administration and food service modules (bartender, cocktail waitress, coffee shop waitress, desk clerk, dining room waitress, dish machine operator, food service supervisor, sandwich board operator, short order cook), electrical apprentice (construction trades), marine and snow vehicle maintenance, masonry, para-professional instructor, welder fitter, welding operator.
d) The health science program to which the Division refers clients is nursing assistant.

Continuing Education
Three campuses and eight satellite centres in northeastern Ontario provide educational programs on an extension basis. A student may register for college credit in any evening or day subjects offered by any of the three campuses. Also offered are non-credit courses of a general interest nature, as well as special programs to meet community needs. The department publishes a bilingual calendar with complete course descriptions and scheduling.

Management Development Program
More than 60 courses tailored specifically to meet the professional development needs of management are available through the Department of Continuing Education. A limited number of these courses are also available in French. The department provides a consulting and referral service to help identify business and industry needs for training programs at the supervisory level. A brochure on the Management Development Program is available.

Training in Business and Industry
The purpose of this program is to work with employees who wish to be upgraded and, in some instances, retrained on the job to increase their employability and flexibility. Arrangements for registration may be made by management, staff organizations, unions or other groups of employees interested in this type of training. Detailed information is available from the Department of Continuing Education.

Modular Training
This is a co-operative effort with the college and the Industrial Training Branch of the Ministry of Colleges and Universities. The program centres around the modular training package for stationary engineers, first to fourth class.

Library
Each of the three campuses has well-equipped facilities. In all, well over 12,600 books are available, plus a variety of slides, films, film strips, tapes VTR tapes, cartridges and cassettes.

Further Inquiries
Director of Student Services
P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211

Student Affairs Officer
P.O. Box 849
Haileybury, Ontario P0J 1K0
Telephone (705) 672-3376

Registrar and Director of Student Services
P.O. Box 970
Kirkland Lake, Ontario P2N 3L2
Telephone (705) 567-9291

Department of Continuing Education
P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211

Retraining and Apprenticeship Counsellor
P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211

St. Clair College of Applied Arts and Technology

Windsor, Chatham

President: R. C. Quittenton

Located in Canada's southernmost counties, Essex and Kent, St. Clair College is continuing in the strong tradition established by the Western Ontario Institute of Technology. In addition to the Schools of Technology, Business and Applied Arts, St. Clair's School of Health Sciences is one of the foremost in the province, offering unique programs in the paramedical field.

Recognizing Windsor's importance as a Canadian automotive centre, the School of Technical Arts and Trades has taken a leadership role in the automotive field, as evidenced by St. Clair's two internationally acclaimed Clean-Air Cars.

Enrolment 1975-76
Full-time 2,989
Continuing education 7,196
Retraining 1,136
Apprenticeship 447
Total 11,768

Campus Locations
St. Clair College has two campuses, Windsor and Chatham, offering post-secondary programs. The main campus in Windsor offers all but two of the St. Clair programs and contains the School of Retraining, while the Thames Campus in Chatham offers communication arts, diploma nursing, general technology, business administration, general business and secretarial. The craft and design, and the resident counsellor/mental retardation programs are offered only at the Thames Campus. In addition, there are several small centres throughout Windsor with special college and vocational preparatory programs. The Patterson Centre for Community Education offers English as a second language and a wide variety of general interest courses for the community.

General Requirements for Admission
Applications are considered from:

a) holders of an Ontario Secondary School Graduation Diploma (27 credits)
b) holders of an Ontario Secondary School Honour Graduation Diploma
c) mature students 19 years of age or older.

Advanced credit and direct entry:
Applicants who have completed year 5, university or business courses may be considered for exemption from all or part of the first year of some programs.

•Programs Offered

Applied Arts
Six-Semester Programs
Advertising, journalism, tourism.
Admission Requirements: OSSGD including four credits in English, "C" (60%) advanced level, "B" (70%) general level.

Four-Semester Programs
Craft and design (Thames Campus only), early childhood education, interior design, legal office administration, library technician, social science research assistant, theatre arts.
Admission Requirements: OSSGD. Students will also be expected to meet the following additional requirements: craft and design — art portfolio; interior design — art credits or artistic aptitude test; legal office administration — four credits in English, "C" (60%) advanced level, "B" (70%) general level; social science research assistant — four credits in mathematics.

Two-Semester Program
Security administration.
Admission Requirement: OSSGD.

Business
Six-Semester Program
Business administration (accounting, data processing, marketing).
Admission Requirements: OSSGD including four credits in English, two in mathematics.

Four-Semester Programs
General business (accounting, data processing, marketing), secretarial (executive, legal, medical).
Admission Requirements: General business — OSSGD with four credits in English and two in mathematics. Secretarial — OSSGD with four credits in English, 45 wpm typing, 80 wpm Pitman shorthand or completion of two-semester program.

Two-Semester Program
General secretarial.
Admission Requirements: OSSGD with four credits in English.

Technology
Six-Semester Programs
Architectural technology, chemical technology, electrical/electronics engineering technology, food processing technology, industrial engineering technology, mechanical engineering technology.
Admission Requirements: OSSGD with four credits in mathematics, four in English, one senior credit in each of physics and chemistry, "C" (60%) advanced level, "B" (70%) general level.

Four-Semester Courses
Construction technician, electronics technician, food laboratory technician, industrial technician, mechanical drafting technician.
Admission Requirements: OSSGD with four credits in mathematics, one senior credit in each of physics and chemistry.

Technical Arts and Trades
Two-Year Programs
Combustion technician, food service management, furniture renovation technician, landscaping technician, motive power technician, plastics technician, toolmaking technician.
Admission Requirements: OSSGD. Students planning to take the toolmaking technician course must include four credits in mathematics.

One-Year Program
Machine shop.
Admission Requirement: OSSGD.

Health Sciences
Six-Semester Programs
Bio-science technology, diploma nursing, medical laboratory technology.
Admission Requirements: OSSGD. Those planning to take medical laboratory technology and bio-science technology are also required to have four credits in mathematics, one senior credit in physics and chemistry, "C" (60%) advanced level, "B" (70%) general level. Those planning to take diploma nursing are required to have four credits in English, two of senior biology, chemistry and/or physics, three credits in mathematics, "C" (60%) advanced level, "B" (70%) general level.

Four-Semester Programs
Animal health technician, resident counsellor/mental retardation.
Admission Requirements: OSSGD. Also required for the animal health technician program are four credits in English, three in mathematics, and one each in biology and chemistry, "C" (60%) advanced level, "B" (70%) general level.

Three-Semester Program
Nursing assistant.
Admission Requirements: OSSGD including two science credits, two credits in English and one in mathematics.

Two-Semester Programs
Dental assistant, pharmacy assistant.
Admission Requirements: OSSGD. Also required for the pharmacy assistant program are four credits in mathematics and one credit in chemistry.

Retraining
The School of Retraining offers complete upgrading courses from grades 1 through 8 and year 1 through year 4, as well as the following skill courses: backhoe operator, clerk-typist, commercial accounting, commercial refresher, data processing, drafting, electronics, grooming the standard-bred horse, heavy equipment operator, stenographical and clerical, teller-cashier, welder fitter.

Apprenticeship
The following apprenticeship programs are available through St. Clair College: carpentry, construction electrician, hairdressing, motor vehicle mechanic, plumber.

Continuing Education
The School of Continuing Education offers over 375 courses covering a myriad of topics, at both the Windsor and Chatham Campuses, as well as at smaller centres throughout Essex and Kent counties. Courses are offered four times per year, including the summer.

Library
There are approximately 28,000 books with a growing collection of audio-visual software. Facilities also include a film booking service, phonograph records and players, typewriters, electronic calculators and cassette players available for student use.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of a number of entrance scholarships awarded for outstanding academic achievement in secondary school, as well as any bursaries and other scholarships offered by the college.

Counselling Services
St. Clair has an extensive counselling service open to students and the community to deal with personal, financial, academic and vocational matters.

Student Placement
The Placement Office, which also has a permanent Canada Manpower representative, will assist any St. Clair student in finding suitable part-time, summer or permanent employment.

Student Accommodation
The Campus Life Office has an extensive housing list of homes in both Windsor and Chatham where out-of-town students can find suitable accommodation.

Sports
St. Clair has a complete physical education complex including gym, swimming pool, squash courts, tennis courts, athletic fields, sauna, etc., open to all students for competitive sport and recreation. Many of St. Clair's varsity teams have won provincial championships, led by the "Saints" hockey team which has won the OCAA Hockey Championship in four of the last seven years.

Further Inquiries
For additional information please contact
Admissions Office
St. Clair College of Applied Arts and Technology
2000 Talbot Road West
Windsor, Ontario N9A 6S4
Telephone (519) 966-1656
or
Thames Campus
180 Keil Drive West
P.O. Box 1223
Chatham, Ontario N7M 5L8
Telephone (519) 354-9100

St. Lawrence College of Applied Arts and Technology

Kingston, Brockville, Cornwall

Acting President: R. Doyle

With three campuses, the college serves the six counties along the St. Lawrence River from Frontenac County in the west to Glengarry County on the Ontario-Quebec border.

Enrolment 1975-76
Full-time post-secondary 2,690
Total (including apprentice, OMRP and part-time) 13,000

Admission Requirements
Subject only to numerical enrolment restrictions on a few offerings, admission to St. Lawrence College post-secondary programs is on a first-come, first-served basis for applicants possessing an Ontario Secondary School Graduation Diploma, its acceptable academic equivalent, or mature student status.

Kingston Campus
Principal: D. W. Anderson

Campus Enrolment 1975-76
Full-time post-secondary 1,490

•Programs Offered

Applied Arts
Three-Year Diplomas
Behavioural science technology, child care worker, visual and creative arts (options in fashion, graphics, painting and sculpture).

Two-Year Diplomas
Correctional worker, early childhood education, theatre arts.

Business
Three-Year Diploma
Business administration (options in computer and information processing, finance, and marketing).

Two-Year Diplomas
Commercial communications, general business (options in accounting and marketing), human resources management, law office procedures, secretarial science (options in executive, legal, and medical).

One-Year Certificates
Secretarial arts (legal or medical options), secretarial level 1 (clerk-typist, dicta-typist, stenographer).

Technology
Three-Year Diplomas
Animal care technology, civil technology, electronic technology, industrial instrumentation technology, mechanical technology, medical laboratory technology, water resources technology.

Two-Year Diplomas
Chemical engineering technology, electronic technician, industrial instrumentation, laboratory science technology, mechanical technician.

Health Sciences
Two-Year Diploma
Nursing.

One-Year Certificate
Nursing assistant.

Continuing Education
The college offers day and evening courses designed to satisfy the requirements of three basic programs: St. Lawrence certificates in technology at three levels, advanced technical and business evening courses and examination programs for professional associations. Many general interest and recreational courses are also available.

Ontario Manpower Retraining Program
A wide range of short programs is offered including academic upgrading, language training and skill courses.

Apprenticeship Programs
Electrical construction and maintenance, hairdressing, plumbing.

Further Inquiries
For more information about the Kingston Campus, please contact
Mr. J. T. Bryden
Registrar
Kingston Campus
St. Lawrence College of Applied Arts and Technology
Portsmouth Avenue
Kingston, Ontario K7L 5A6
Telephone (613) 544-5400

Brockville Campus
Acting Principal: J. Butt

Campus Enrolment 1975-76
Full-time post-secondary 437

•Programs Offered

Applied Arts
Two-Year Diplomas
Child care worker, craft and design, mental retardation counsellor, visual and creative arts (options in crafts and design; 3rd year option).

Business
Three-Year Diploma
Business administration (options in finance management, industrial management and marketing management).

Two-Year Diploma
Secretarial science (executive secretary option).

One-Year Certificates
Apparel retailing, fashion retailing, secretarial level 1.

Technology
Three-Year Diplomas
Civil technology, conservation technology for historic structures, electrical power technology, electrical-telecommunications switching techniques.

Health Sciences
Two-Year Diploma
Nursing.

One-Year Certificate
Nursing assistant.

Continuing Education
Similar to Kingston Campus.

Ontario Manpower Retraining Program
Academic upgrading, commercial steno, electronic service technician.

Further Inquiries
For more information about the Brockville Campus, please contact
Mr. R. E. Sommerville
Registrar
Brockville Campus
St. Lawrence College of Applied Arts and Technology
20 Parkdale Avenue
Brockville, Ontario K6V 5X3
Telephone (613) 345-0660

Cornwall Campus
Principal: L. J. Tremblay

Campus Enrolment 1975-76
Full-time post-secondary 763

•Programs Offered

Applied Arts
Three-Year Diploma
Visual and creative arts (options in advertising and design, painting, crafts).

Two-Year Diplomas
Behavioural science technician (options in behaviour modification, community counsellor, personnel management), early childhood education.

Business
Three-Year Diploma
Business administration (options in computer and information processing, finance, industrial management, marketing, real property administration).

Two-Year Diplomas
Assessment administration, general business (options in accounting and marketing), retail management, secretarial science (bilingual, executive, legal, medical options).

One-Year Certificates
Retailing (co-operative), secretarial level 1.

Technology
Three-Year Diplomas
Chemical technology, civil technology, electronic technology, industrial instrumentation technology, laboratory science technology, mechanical technology (option in marine engineering), medical laboratory technology.

Two-Year Diplomas
Electronic technician, instrumentation technician, mechanical technician.

Health Sciences
Two-Year Diploma
Nursing.

Continuing Education
Similar to Kingston Campus.

Ontario Manpower Retraining Program
A wide range of short programs is offered including academic upgrading, skill and service courses.

Apprenticeship Program
Motor vehicle mechanic.

Library
Each campus maintains a comprehensive resource centre where print and non-print materials, audio-visual equipment and private study carrels facilitate individual research and learning.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
While specialized counselling resources exist in the Student Services Department on each campus, and health services and class advisors are available, the college maintains an open-door policy which encourages a student to discuss personal problems in confidence with any teaching or administrative staff member he or she chooses to approach.

Student Placement Services
A full-time Placement Officer is available at each campus to assist students in obtaining employment after graduation or part-time employment. St. Lawrence College has one of the most successful placement records in the province.

Living Accommodation
The college operates a complete co-ed residence facility on its Cornwall Campus; institutional residences are open to students in Brockville and Kingston. Information on accommodation and housing lists are available on request.

Further Inquiries
For more information about the Cornwall Campus programs and facilities, contact
Mr. A. W. Martin
Registrar
Cornwall Campus
St. Lawrence College of Applied Arts and Technology
Windmill Point
Cornwall, Ontario K6H 4Z1
Telephone (613) 933-6080

Sault College of Applied Arts and Technology

Sault Ste. Marie

President: G. Ray Lawson

Sault College is located in the city of Sault Ste. Marie, at the crossroads of northwestern and southern Ontario, and serves the 19,320 square mile District of Algoma. Sault College is set in a district of lakes, rivers and mountains and the area is rich in natural resources. College programs, such as geology, forestry and construction engineering, reflect the college's concern for the natural resources of the environment.

The college also has strong business and arts programs covering wide areas of interest, from hotel management to secretarial science, and computer technology to advertising art, pottery, painting and printmaking.

The Continuing Education Division of the college offers a wide range of courses, not only on the main Sault Ste. Marie campus, but also on the college's satellite campuses at Elliot Lake, Wawa and seventeen other locations throughout the Algoma district.

The college has a strong relationship with the city of Sault Ste. Marie. Fifty percent of the college's students, however, come from outside the city, from all over Ontario and, indeed, from all over Canada. To better meet the needs of these students the college has a student residence complex, capable of housing 150 students.

Sault College graduates are welcomed throughout Canada. In the past few years the college has placed 95% of its graduates in a field related to their training. The college is proud of its programs and of the success of its graduates who are employed in business and industry across the country.

Enrolment 1975-76
Full-time post-secondary 1,000
Continuing education 7,000
Total 8,000

Campus Locations
443 Northern Avenue
Sault Ste. Marie

550 Queen Street West
Sault Ste. Marie

11 Mackey Street
Wawa

180 Mississauga
Elliot Lake

General Requirements for Admission
An Ontario Secondary School Graduation Diploma is the normal requirement for admission to all post-secondary programs at Sault College. Persons wishing to apply as mature students should contact the Registrar for further information.

Programs Offered

Applied Arts
Two and Three-Year Diplomas
Art (majors in advertising art, fabric/fibre design, painting, pottery, printmaking).

Two-Year Diplomas
Early childhood education, general arts and science, journalism, mental retardation counsellor.

Health Sciences
Two-Year Diploma
Nursing.

Business
Three-Year Diploma
Business administration.

Two-Year Diplomas
Accounting, electronic data processing, executive secretary, finance and sales management, hotel and restaurant management, legal secretary, medical secretary.

One-Year Certificate
Chef training.

Technology—Mechanical/Electrical
Three-Year Diplomas
Electrical technology, electronics technology, mechanical technology.

Two-Year Diplomas
Aviation technology and pilot training, electrical technician, electronics technician, mechanical drafting technician, mechanical technician.

One-Year Certificates
Machine shop, welding and fabricating.

Technology—Engineering and Apprenticeship (Mechanical)
Two-Year Diplomas
Architectural drafting technician, civil engineering technician, motive power technician.

One-Year Certificate
Heavy equipment diesel.

Technology—Science and Resources Engineering
Three-Year Diploma
Medical laboratory technology (first year only).

Third Year Diplomas
Fish and wildlife technology, forest recreation technology.

Two-Year Diplomas
Forestry technician, geology technician, industrial chemistry technician.

Special Admission Requirements
As previously stated, normal requirements for admission to post-secondary programs at Sault College include the OSSGD. The Board of Admissions, however, stipulates particular requirements in addition to, or as part of, the OSSGD in the case of certain programs.

These requirements are: nursing — two year 4 science options (chosen from chemistry, biology, physics, human anatomy, physiology; one in chemistry strongly preferred), four English credits, two mathematics credits, and an interview. Mental retardation counsellor and early childhood education — interview. Business administration, electronic data processing, finance and

sales management, hotel and restaurant management — mathematics at year 2 of the general level (two credits). Mechanical technician/technology, mechanical drafting technician, electrical technician/technology, electronics technician/technology — mathematics at year 4 of the general level (four credits) plus year 3 or year 4 physics of the general level. Motive power technician, heavy equipment diesel, machine shop, welding and fabricating — mathematics at year 2 of the general level (two credits). Fish and wildlife technology, forest recreation technology — a Forest Technician Diploma from an Ontario CAAT, or equivalent. Forestry technician, geology technician, industrial chemistry technician, civil engineering technician, architectural drafting technician — mathematics at year 4 of the general level (four credits); business mathematics will not be accepted. Aviation technology and pilot training — four credits in mathematics, plus year 3 or 4 physics; MOT (Ministry of Transport) medical examination and 20-20 uncorrected vision in both eyes; interview.

Applicants should request more detailed information.

Retraining
College preparatory levels and skill prerequisites are available through upgrading or academic development studies for students who lack specific prerequisites.

Apprenticeship
Chef training, electrical construction, hairdressing, motor vehicle mechanic, plumbing, steamfitting.

Continuing Education Program
A wide variety of credit and non-credit courses is offered in addition to supervisory and management courses and industrial training courses.

The former OMRP academic upgrading and retraining courses are also offered through the college. Other courses and programs can be arranged if sufficient interest is shown.

Summer Programs
A wide variety of courses is offered through Continuing Education.

Library
Sault College has approximately 25,000 volumes in its library facilities.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details on bursaries and an emergency loan fund offered by the college.

Counselling Services
The college maintains a Counselling Centre staffed by two qualified counsellors to provide students with confidential assistance with their personal and academic problems.

Student Placement Services
A full-time Student Placement Officer is available to assist students in obtaining employment on graduation and also in obtaining part-time employment.

Living Accommodation
On-campus residences for 150 students are available. Rooming and boarding facilities are also readily available in the area.

Further Inquiries
Additional information is available by contacting
Registrar
Sault College of Applied Arts and Technology
P.O. Box 60
443 Northern Avenue
Sault Ste. Marie, Ontario P6A 5L3
Telephone (705) 949-2050

Seneca College of Applied Arts and Technology

North York, York Region

President: W. T. Newnham

Seneca is one of Ontario's most progressive community colleges — a multi-campus institution serving Metropolitan Toronto, the Borough of North York, and the Region of York to the north of the metropolitan area. Its student body is drawn from an area in which one-tenth of the province's population resides. Other students are attracted to Seneca from many parts of Ontario and Canada, and from other countries of the world.

Of Seneca College's six campus locations, five are in the Borough of North York; the Finch Campus at 1750 Finch Avenue East; the original Sheppard Campus location on Sheppard Avenue near Yonge Street; its School of Nursing (Leslie Campus) at the intersection of Sheppard Avenue and Leslie Street; the Lawrence Campus, on Lawrence Avenue West, near Jane Street; and its newest location, the Dufferin Campus, on Finch Avenue West at Dufferin. Seneca's King Campus is located on a 696-acre site in York Region, about 13 miles north of Metro Toronto, just west of Aurora. The unique environment of Seneca King includes rolling hills, wooded parkland, an operating farm, and a large lake.

At Seneca's Finch Campus, the college operates a 1,100-seat auditorium, a studio theatre, a planetarium, a year-round ice arena and a sports centre containing a triple gymnasium, as well as other facilities available to the entire community. Outdoor facilities include a football/soccer field and tennis courts. The college's aviation and flight technology program utilizes Buttonville airport a few miles north of the Finch Campus.

Nearly 100 diploma and certificate courses and hundreds of individual subjects are available during the day or in the evening. Full-time day students may take courses in applied arts, business, computer studies and engineering technology — programs which are augmented by additional subjects in liberal studies, English and communications. Last year, over 90% of Seneca's graduating students found employment in the field in which they were trained.

Seneca has been a pioneer in mobile learning; the college's MILE (Mobile Intensive Learning Experience) offers travel across Canada and overseas during which students earn academic credits in professional subjects, liberal studies, English and communications.

Seneca College offers the following programs which are unique in Ontario: civil engineering technology (marine option), cosmetics sales, electronic technology (marine option), electronic techniques (avionics option), fire protection technology, coaching techniques, international business, mechanical technology (marine option), pharmaceutical chemical technology, resources engineering technology (marine option).

The King Campus's unique programs are a college vocational program, flight services, historical/natural interpretive services, underwater skills, visual arts, and instructor training.

Opportunities are available for year 5 graduates, with specific credits, to complete a three-year diploma in two years, in business, computer studies and engineering.

Enrolment 1975
Full-time day diploma 4,650
Continuing education 15,000 per year
Occupational training 2,500 per year
Business and industrial training 17,000 per year
Conference centre 4,000 per year

General Requirements for Admission
The basic requirement for admission to a two or three-year course is successful completion of year 4 of any four or five-year secondary school program or the accumulation of 27 credits in an ungraded system. Applicants with equivalent standing to Ontario requirements will be considered.

Applicants who have attained the age of 19 years on or before the date of commencement of their program may be considered for admission as mature students following a personal interview with the Director of Admissions.

Note: Those programs with selective admission requirements or specific subject prerequisites are indicated with the extra requirements following the program description (except for occupational training, for which complete admission requirements are shown).

•Programs Offered

Applied Arts
Three-Year Diplomas
Design arts (options in interior, graphics, and general design).
Special Admission Requirements: College testing and interview; credits in art, drafting or mathematics desirable.

Fashion arts (options in fabric, fashion and visual merchandising, production/design — men and youths, women and girls). Recreation facilities administration.
Special Admission Requirement: College interview.

Two-Year Diplomas
Applied communications (options in print media and broadcasting).
Special Admission Requirements: Year 4 credit in English.

Audio-visual techniques.
Special Admission Requirements: Drafting, English, electronics desirable. College questionnaire.

Cosmetics sales.
Special Admission Requirement: College interview.

Early childhood education.
Special Admission Requirements: College questionnaire and interview, tuberculin test and chest x-ray. Credits in English desirable.

Fashion merchandising.
Special Admission Requirements: College interview.

Government operations (administration, real property and assessment).
Special Admission Requirement: Year 4 credit in mathematics and English desirable.

Government operations — legal administration.
Special Admission Requirements: Year 4 English. College questionnaire and interview.

Coaching techniques.
Special Admission Requirements: Competitive and teaching experience in the sport selected, college interview.

Law enforcement.
Special Admission Requirement: College interview.

Library techniques.
Special Admission Requirement: College interview. Year 4 credit in English.

Leadership training in visual arts.
Special Admission Requirements: Portfolio and college interview.

Recreation facilities management.
Special Admission Requirement: College interview.

Social services.
Special Admission Requirements: College essay and interview. Year 4 English desirable.

Historical/natural interpretive services, outdoor recreation education technician (proposed), parks technician (proposed).
Special Admission Requirement: College interview.

Visual arts instructor training.
Special Admission Requirements: College interview and portfolio presentation.

Flight services.
Special Admission Requirements: College interview. Credits in French desirable.

Three-Year Diploma
College vocational program.
Special Admission Requirements: Candidates must have successfully completed a three-year high school vocational program, be recommended by the principal and staff, and be age 17 during the first year of the course.

Business
Three-Year Diplomas
Accounting and finance, business administration, international business, marketing administration, tourist industry administration.
Special Admission Requirement: Year 4 English and mathematics credits desirable.

Two-Year Diplomas
Accounting, general business, marketing.
Special Admission Requirements: Year 4 credits in English and mathematics desirable.

Secretary (executive, legal, medical).
Special Admission Requirement: Year 4 English.

One-Year Certificates
Medical dicta-typist.
Special Admission Requirements: Minimum typing speed 45 wpm and year 4 English.

Cosmetics sales.
Special Admission Requirement: College interview.

Computer Studies
Three-Year Diploma
Computer programming and analysis.
Special Admission Requirements: Year 4 credits in English and mathematics desirable.

Two-Year Diploma
Computer programming and operations.
Special Admission Requirements: Year 4 credits in English and mathematics desirable.

Engineering Technology
Three-Year Diploma (Eight Semesters)
General engineering technology (pre-aviation and flight technology).
Special Admission Requirements: Year 4 credits in mathematics and chemistry, year 3 credit in physics. Candidates should request detailed information concerning entrance requirements.

Three-Year Diplomas
Chemical technology, civil engineering technology (marine elective), electronic technology (including communications and power options), mechanical technology, resources engineering technology (marine elective).
Special Admission Requirements: Year 4 credits in mathematics and chemistry, year 3 credit in physics.

Laboratory technology (including electron microscopy option), pharmaceutical chemistry technology.
Special Admission Requirements: Year 4 credits in mathematics and chemistry, year 3 credits in biology and physics.

Two-Year Diplomas
Biological laboratory techniques, life sciences research techniques.
Special Admission Requirements: Year 4 credits in mathematics and chemistry, year 3 credit in biology.

Cartographic techniques.
Special Admission Requirements: Year 4 credit in mathematics, physics and chemistry desirable. Satisfactory stereoscopic vision and proof of no colour blindness.

Civil engineering techniques, electronic techniques (including communications and avionics option), mechanical techniques, resources engineering techniques.
Special Admission Requirements: Year 4 credit in mathematics, year 3 physics and year 4 English desirable.

Chemical techniques (with industrial and pollution control electives).
Special Admission Requirements: Year 4 credits in mathematics, chemistry and year 3 physics.

Industrial diving techniques (proposed).
Special Admission Requirements: Year 4 mathematics and chemistry, year 3 physics. Preference will be given to experienced divers. College interview.

One-Year Certificate
Underwater skills.
Special Admission Requirements: Year 4 mathematics and chemistry, year 3 physics. Preference will be given to experienced divers. College interview.

Health Sciences
Two-Year Diploma
Nursing.
This two-year program leads to an award of a Diploma in Nursing and, upon successful completion of the examination set by the College of Nurses, certification as a registered nurse.
Special Admission Requirements: Ontario Secondary School Graduation Diploma which must include a minimum of year 2 mathematics and at least two of the following senior level sciences — chemistry, biology, physics. Chemistry and biology is the recommended combination. Year 4 English is desirable. College questionnaire and interview.

One-Year Certificate
Dental assistant.
Special Admission Requirements: College interview. Biology and chemistry at the senior level desirable.

Continuing Education
Diploma level study and certificates, special interest subjects, and college preparatory courses are offered.

Diplomas
Accounting and finance, business, computer studies, early childhood education, fashion merchandising, law enforcement (law enforcement personnel only), library techniques, marketing, municipal clerks and treasurers, rehabilitation/counselling, social services.

Certificates
Accounting, building environment (options in design and systems), business, computer programming/operations, credit management, electron microscopy, fire safety, law enforcement, marketing, medical dicta-typist, pesticides (options in land and structural), secretary (options in legal, executive, medical), welding.

Occupational Training
College preparatory program — Semester 2.
Admission Requirement: Year 2 completed.

College preparatory program — Semester 1.
Admission Requirement: Grade 8 completed.

Electronics — radio, TV servicing.
Admission Requirements: Year 2 (year 4 graduate preferred).

Electrical distribution sales.
Admission Requirements: Year 2. Desirable background — science, technology and trades experience, drafting and electricity.

English as a second language.
Admission Requirements: 18 years of age. Canadian citizenship or landed immigrant status.

Machine shop.
Admission Requirement: Year 2.

Commercial clerical.
Admission Requirement: Grade 8.

Commercial refresher.
Admission Requirements: Completion of a full commercial course and relevant experience.

Commercial accountancy.
Admission Requirements: Year 2. Demonstrated aptitude for accounting.

Clerk typist.
Admission Requirements: Year 2. Typing skill preferred.

Commercial stenographic — year 2, bookkeeping and business machines.
Admission Requirements: Year 2. Demonstrated aptitude for bookkeeping.

Typing, general office.
Admission Requirements: Clerical experience, fluency in English, both written and oral.

Library
Each campus has excellent library facilities. The total collection includes 70,000 books, 1,100 films, numerous periodicals and audio-visual hardware.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
Counselling centres are located at all campuses with staff available in the day and some evenings to provide students with confidential assistance in career planning, admission information, program selection and personal matters.

Student Placement Service
A Placement Office is located at the Finch Campus for all students, where assistance is offered in obtaining employment for prospective graduates and part-time work for registered students. On-site recruitment by prospective employers is arranged each January and February for graduating students.

Living Accommodation
A housing registry is maintained on each campus. Leslie Campus has a nurses' residence (unused rooms may be rented by students of other campuses). For information on the Leslie residence, telephone the Leslie Campus.

Sports
A comprehensive varsity and intramural sports program is offered for all students at each campus.

Further Inquiries
Additional information is available by contacting the college
Finch Campus
Admissions Office
1750 Finch Avenue East
Willowdale, Ontario M2N 5T7
Telephone (416) 491-5050 ext. 339 or 340

King Campus
Admissions Office
Dufferin Street North
R.R. 3
King City, Ontario L0G 1K0
Telephone (416) 884-9901

Sheppard Campus
Admissions Office
42 Sheppard Avenue East
Willowdale, Ontario M2V 2Z8
Telephone (416) 223-9661

Lawrence Campus
Admissions Office
1750 Lawrence Avenue West
Toronto, Ontario M6L 1C7
Telephone (416) 249-3381

Leslie Campus (Nursing)
Admissions Office
1255 Sheppard Avenue East
Willowdale, Ontario M2K 1E2
Telephone (416) 494-8900

Dufferin Campus
Admissions Office
1000 Finch Avenue West
Downsview, Ontario M3J 2V5
Telephone (416) 661-6010

Sheridan College of Applied Arts and Technology

Oakville

President: John M. Porter

Opened in 1967, Sheridan serves the two growing regional municipalities of Halton and Peel, immediately west of Metro Toronto. Sheridan stresses the preparation of students for employment in their field of study whether it be business, technology, health sciences, arts or services.

While in many ways Sheridan's development has paralleled that of Ontario's other colleges, it has at the same time attained several unique aspects, such as the School of Design in Mississauga — the only crafts school in Ontario, and the Heavy Equipment School in Milton — the only one of its kind in the province.

Sheridan makes available more than 70 programs in 11 different areas or divisions, for all persons of all ages. Part-time students are welcome, whether their reason for registering is to accumulate credits toward a diploma or simply to explore an area of interest. Part-time students are also invited to register in courses offered at Sheridan during the day.

The college now has eight campuses — four serving full-time day students and four Community Services Campuses. The Community Services Campuses offer a wide variety of full-time and part-time interest and credit courses, including management development and training, retraining and continuing education.

Sheridan has continued to expand its facilities and last spring added a new, multi-purpose extension at the Oakville Campus. The extension houses the Office of the Registrar, student services, student awards, a fully-equipped TV studio, and Sheridan Hall, which has a seating capacity of 500.

The first phase of the new Brampton Campus, located on 101 acres at the southeast corner of McLaughlin Road and Steeles Avenue West, is scheduled to open in January 1977, at which time all programs currently offered at the Church Street Campus in Brampton will be transferred to the new development.

Students will find the new campus easily accessible by Sheridan's own bus lines, public bus and GO train. It is seven miles north along Highway 10 from the City Centre of Mississauga and about two miles south of the existing Brampton Campus.

The Brampton Campus offers programs in technology, applied arts, visual arts and business and secretarial studies.

Enrolment 1975-76
Full-time 3,920
Part-time day 179
Continuing education 17,895
Management development and training 11,833
Retraining 2,344
Total 36,171

General Requirements for Admission
Students wishing to enrol in one, two or three-year programs at Sheridan College must have a secondary school graduation diploma. Applicants who are 19 years of age on or before the date of commencement of the program will be considered for admission as mature students. Many programs have special requirements in addition to those outlined above. Prerequisite subjects, aptitudes, portfolio assessment or an evaluation of talent through a personal interview may be required for admission to some college programs.

Campus Locations
Oakville Main Campus
Trafalgar Road
Oakville, Ontario L6H 2L1

Brampton Campus
98 Church Street East
Brampton, Ontario L6V 1G6
(After January 1977,
Steeles Avenue West
Brampton, Ontario)

Lorne Park Campus
School of Design
1460 South Sheridan Way
Mississauga, Ontario L5H 1Z7

Credit Valley Campus
School of Nursing
2186 Hurontario Street
Mississauga, Ontario L5B 1M9

Oakville South Campus
216 Lakeshore Road East
Oakville, Ontario L6J 1H8

Milton Campus
Heavy Equipment School
R.R. 3
Milton, Ontario L9T 2X7

Burlington Campus
2289 Fairview Avenue
Burlington, Ontario L7R 2E3

Mississauga Campus
1 Port Street East
Mississauga, Ontario L5G 4N1

• Programs Offered

Brampton Campus

Applied Arts
Two-Year Diplomas
Early childhood education, general arts and science (children: our challenge), retail management arts.

One-Year Certificate
Travel counsellor.

Applied Arts, Business and Secretarial Studies
Three-Year Diploma
Business administration.

Two-Year Diploma
Business (hotel and restaurant administration, secretarial (executive, medical, legal options).

One-Year Certificates
Garden centre merchandising, intensive secretarial.

Applied Science and Technology
Three-Year Diploma
Engineering technology (options in chemical, electrical/electronic, and mechanical engineering).
Special Admission Requirements: Applicants are required to have senior level chemistry and physics, as well as fourth year level math.

Two-Year Diplomas
Technician programs in civil construction, electronics, engineering drafting, chemical laboratory, mechanical.
Special Admission Requirements: Applicants to the chemical laboratory program are required to have standing in year 4 mathematics and chemistry. Engineering drafting, civil construction, electronics and mechanical technician programs require applicants to have year 4 math.

One-Year Certificates
Animal care, home applicance service technician.

Liberal and General Studies
Two-Year Diploma
General arts and science (liberal studies elective).

Visual Arts
Two-Year Diploma
Illustration.

One-Year Certificates
Art fundamentals, art resources.

Special Programs
Unique are garden centre merchandising, animal care, illustration, art resources, and art fundamentals — a one-year certificate program for students with no formal art background.

Oakville Campus

Applied Arts
Two-Year Diplomas
Athletic training and management, Canadian nanny, community planning, correctional worker, early childhood education (Montessori or nursery option), general arts and science (elective in children: our challenge), institutional management, instructional techniques (audio-visual techniques, instructional assistant), library techniques, library techniques for health science, research techniques, retail management arts, security and law enforcement, social service worker, transportation planning.

One-Year Certificates
Family day care (mature women), modelling, travel counsellor.

Applied Science and Technology
Engineering technology (first year only).

Business and Secretarial Studies
Three-Year Diploma
Business administration (options in accounting and finance management, corporate administration, sales and marketing management, traffic management and distribution, secretarial science).

Two-Year Diplomas
Business (accounting, sales and marketing, administration and retail management), secretarial (options in executive, legal, medical, word processing).

One-Year Certificates
Business retailing, intensive secretarial.

Communications
Direct entry into second year of journalism or advertising is offered to university students who have completed at least one year of a B.A. course.

Two-Year Diplomas
Advertising, journalism.
Special Admission Requirements: Students should have standing in year 4 English or be above average in English expression. Each applicant is required to submit a 200-300 word written sample (details provided when application received).

Computer Studies
Three-Year Diplomas
Business computer systems, computer science technology.

Two-Year Diploma
Electronic data processing.

English and Media Studies
Two-Year Diploma
Media arts (electives in cartooning and graphic story arts, music theatre, theatre).
Special Admission Requirements: Personal interviews are advisable. For admission to media arts and cartooning/graphic story arts, applicants must present a portfolio of work for assessment; auditions are required for music theatre and theatre electives.

One-Year Certificates
Media fundamentals, performance studies fundamental year.

Liberal and General Studies
Two-Year Diploma
General arts and science (liberal studies elective).

Visual Arts
Three-Year Co-operative Degree/Diploma
Art education offered in conjunction with Erindale College (University of Toronto).
Special Admission Requirements: Applicants must meet admission requirements at Erindale College — acceptable year 5 standing, and at Sheridan — presentation of a portfolio showing artistic interest and potential. Graduates receive a B.A. from Erindale (completion of 10 credits) and a diploma (five credits) from Sheridan. One further year at an Ontario faculty of education provides a Type B Teaching Certificate.

Three-Year Diplomas
Applied photography, fashion technique and design (options in dress design, knit design, theatrical crafts and design).
Special Admission Requirements: Visual arts students are usually required to have formal art training in secondary school or are required to submit a portfolio for assessment or have an evaluation of talent through a personal interview. For dress or knit design options, some creative talent and an art or craft background is advised. For theatrical crafts and design, successful completion of one year at Sheridan College or any post-secondary institution in creative art, fashion, drama or stagecraft is required.

One-Year Certificate
Art resources.

Special Third Year Programs
Applied photography, fashion technique and design.

Special Programs
Animation, a three-year program, is the only one of its kind in North America. Art resources is a special certificate program for students unable to attend college on a regular full-time day study basis. Art education, a three year co-operative program between Sheridan and Erindale College (University of Toronto), provides students with academic background and practical training necessary for teaching art in Ontario schools; graduates receive a Bachelor of Arts degree from Erindale and a diploma from Sheridan. Programs in Canadian nanny and part-time family day care are offered through the School of Applied and Liberal Studies. Also unique at Oakville are the two-year athletic training and management program, media arts (cartooning, theatre and music theatre electives), fashion technique and design (options in knits, dress and theatrical crafts and design), and institutional management.

Mississauga Campus School of Design
Three-Year Diploma
Crafts and design (studio options in design, ceramics, fabrics, furniture, glass, jewelry and metal).
Special Admission Requirements: Applicants must submit a portfolio and have a personal interview.

Credit Valley Campus
Two-Year Diploma (six-semesters)
Nursing.
Special Admission Requirements: Ontario Secondary School Graduation Diploma with two science courses at the senior level of study (year 3 or above) in chemistry, physics or biology. An interview is also required to determine the suitability of the applicant for the program.

One-Year Certificates
Modelling, travel counsellor.

Milton Campus
One-Year Certificate
Heavy equipment construction techniques.

Special Program
Post-secondary program in heavy equipment construction techniques (options in heavy equipment operator, heavy equipment operator and serviceman, parts co-ordinator, project office manager).

Lorne Park Campus
Special Program
Three-year crafts and design with studio options in metals, ceramics, glass, design, wood, and fabrics (printing and weaving).

Community Services
The aims of Community Services are to make the human and physical resources of the college available to as many people in the community as possible and to work with other community groups toward desirable social and educational goals. To meet these aims Community Services has three divisions: Continuing Education, Management Development and Training, and Retraining.

Continuing education offers a wide variety of credit and special interest courses, as well as workshops and seminars, at the four regular daytime campuses. In addition, there are special Continuing Education Campuses to meet the needs of people in Burlington, Oakville South and Mississauga. Credit courses may lead to the granting of certificates and/or diplomas.

The Management Development and Training Division offers a variety of courses and programs to business, industry, education, associations, etc. in the Peel and Halton regions. Courses are offered in the Management Studies Program, the Training in Business and Industry Program, the Canada Manpower Industrial Training Program or regular college courses and specially developed courses to meet the student need in the community. Courses are conducted days, evenings or weekends, in the college, in the employer's place of business or in some special location required by the course. A wide variety of courses are conducted to meet individual needs, to upgrade and improve job skills, management skills or technical understanding. The costs of these courses may be shared by the employer, employee and the college or subsidized by the Province of Ontario or in some cases totally funded through Canada Manpower plans for industrial training. Many of the courses carry Sheridan College credit toward a Management Studies Certificate or other Sheridan College certificates and diplomas.

Generally speaking, the main objective of the Retraining Division is to offer programs which provide students with skills that will allow them to gain employment, or that will improve their academic background so they will be able to pursue further studies at a higher level. Most of the programs are at the secondary level and are supported by the Federal Department of Manpower and Immigration. Individuals who are referred to the college by Manpower Centres have their fees paid by this agency and, in many cases, a living allowance is provided. Interested individuals should contact their local Canada Manpower office for details. Those who do not qualify for manpower assistance to take these programs can apply to the college to be accepted on a fee-paying basis. The division does offer programs which are not supported by federal funds and also offers programs at the post-secondary level. The Oakville South Campus offers a variety of commercial courses in typing, stenography and accounting, in addition to English as a second language, academic upgrading and quality control. At Milton, the Heavy Equipment School has programs in heavy equipment operator, heavy duty equipment mechanic, pipeline welder, and sideboom operator. At Brampton and Mississauga there are programs in English as a second language.

Library
The college libraries offer a rapidly expanding selection of modern texts, periodicals, and audio-visual material. The libraries at the Oakville Campus include a business and general collection in the main library, an extensive art collection in the School of Visual Arts, and resource centres in the Schools of Applied and Liberal Studies and Business and Secretarial Studies. Brampton's library serves technology and science students and the library at the School of Design in Mississauga carries a variety of materials for design and crafts students. Unique to each library is a Career Information Centre.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the College. Sheridan presents awards and prizes to students in recognition of outstanding academic achievement. Most of these awards are donated by business and industry. Students are automatically considered for these awards and do not have to apply.

Counselling Services
Full-time professional counsellors are employed by the college to assist prospective and current students with career planning, academic concerns, personal and other matters. Confidential discussions can be arranged by calling the Counselling Office at the Brampton, Oakville, Mississauga or Credit Valley Campuses.

Student Placement
The Student Placement Service at Sheridan College arranges to publicize widely the availability of Sheridan graduates to prospective employers, and to inform students of full-time, part-time, and summer employment opportunities. On-campus interviews are held in late January and early February. Literature relating to employment, such as employer's literature or advice on how to job hunt and how to prepare for an interview, is available from the Placement Office.

Accommodation
The Credit Valley Campus in Mississauga provides student housing. Although housing is considered to be primarily the students' responsibility, the college assists by maintaining a housing registry which lists suitable housing in private homes or apartments in the college campus area. The registry also contains maps, transportation schedules, and other information which will be of use to students in their search for accommodation.

Sports
A portion of the student activity fee paid at the time of registration supports the athletic programs offered at various on and off-campus locations. The college's rapidly expanding Athletic and Recreation Department is divided into three distinct areas: varsity sports, intramural sports, and recreational services and leisure time activities. Sheridan operates its own exercise room and sauna, tennis courts and track and field.

A multi-purpose sports complex including a small gymnasium will enhance sports and leisure time activity at the new campus in Brampton. A full complement of sports is being planned for students at all levels from varsity and intramural to recreational clubs and instructional programs.

Additional Costs
The estimated cost of books, supplies and instruments for the academic year varies from $10 to $1,500, depending on the type of program. Please consult the college calendar or phone for more information.

Further Inquiries
Please contact
Registrar or Information Services
Sheridan College of Applied Arts and Technology
Trafalgar Road
Oakville, Ontario L6H 2L1
Telephone
(416) 845-9430 (Oakville)
(416) 362-5861 (Toronto)
(416) 632-7081 (Burlington)

Sir Sandford Fleming College of Applied Arts and Technology

Peterborough

President: D. B. Sutherland

Although best known provincially for its forestry and other natural resources programs, Sir Sandford Fleming College has several others of unique interest to both students and employers, including electro-mechanical technology, tourism and transportation, recreational vehicles-marina management, and fine arts administration.

Sir Sandford Fleming College is located in the heart of the Kawartha Lakes region, with campuses in Peterborough, Lindsay and Cobourg, in addition to a summer campus overlooking head Lake in Haliburton Village, which is the home of the Haliburton School of Fine Arts. The Natural Resources Division is located on the Lindsay Campus.

While it is not the largest college in terms of total enrolment, Sir Sandford Fleming attracts a larger percentage of students from its population base than any other Ontario college, and places heavy emphasis on laboratory work, field placement, and co-operative training.

Enrolment 1975-76
Day programs 2,112
Continuing education 8,752
Total 10,864

•Programs Offered

Peterborough Campus

Business
Three-Year Diplomas
Business administration (business computer systems, financial management, marketing management, and general options). Tourism and transportation (stresses a broad understanding and developmental view of the total field of travel and tourism industry).
Admission Requirements: Year 4 of an Ontario secondary school honour graduation program with English (year 4) and mathematics (years 3 and 4). Applicants with an OSSGD and outstanding success in English and mathematics may also be considered. Out-of-province and mature students will be considered on their merits (testing may be required). Students with an OSSHGD may enter the second year of the business administration program upon successful completion of pre-admission courses offered during a four-week period in August.

Two-Year Diplomas
Business studies (accounting, data processing, marketing, merchandising, general options), recreational vehicles-marina management (combining business and mechanical aspects of the industry), secretarial arts (specializations in executive, legal, medical, technical).
Admission Requirements: OSSGD with standing in year 4 mathematics. Out-of-province and mature students will be considered on their merits (testing may be required). Mathematics is not required for secretarial programs.

One-Year Certificate
Retailing (development of merchandising and selling skills leading to careers in the various functional areas of a retail operation).
Admission Requirements: OSSGD or mature student status.

Secretarial (executive, legal, medical, scientific).
Admission Requirements: OSSGD with 50 wpm typing and 80 wpm shorthand.

General and Applied Arts
Three-Year Diploma
Art conservation techniques.
Admission Requirements: OSSGD or equivalent or mature student status. Secondary school background in chemistry or art. The applicants will be tested for manual dexterity and colour perception.

Two-Year Diplomas
Early childhood education, educational resources technician, fine arts administration, general arts and science, home economics, law and security administration, recreation leadership, social services.
Admission Requirements: OSSGD. Mature students will be considered on their merits (testing may be required). Interview, age and physical requirements are considered for some programs.

Technical
Three-Year Diplomas
Civil, electro-mechanical and electronic (computer) technology.
Admission Requirements: OSSHGD or equivalent, with credits in mathematics, English and physics or chemistry. Students with an OSSGD, with credits in mathematics, English and physics or chemistry will be considered on an individual basis. Students with an OSSHGD, with year 5 calculus, English, physics, and chemistry may enter the second year of the program. This may be conditional on successful completion of a one-week pre-admission course in August.

Two-Year Diplomas
Audio-visual, construction engineering, electrical, electronics, engineering drafting, laboratory, manufacturing (industrial engineering and mechanical options), photographic sales, technician programs.
Admission Requirements: OSSGD with English, mathematics and a science.

One-Year Certificates
Industrial maintenance mechanic, materials testing technician, technical assistant programs.
Admission Requirements: OSSGD with English, mathematics and a science. All applicants are treated on an individual basis, so that students in special circumstances will be considered.

Lindsay Campus

Natural Resources
Three-Year Diploma
Thematic cartography.
Admission Requirements: OSSGD with year 4 mathematics and English.

Fish and wildlife technology, forest recreation technology, forest technology, geological technology.
Admission Requirements: Appropriate technician diploma.

Two-Year Diplomas
Farm management, fish and wildlife technician, forest technician, general arts and science, geological technician, heavy equipment technician.
Admission Requirements: OSSGD from any program with mathematics and English.

Haliburton School of Fine Arts
For registration and information please write to the Haliburton School of Fine Arts, P.O. Box 339, Haliburton, Ontario K0M 1S0.

Brealey Campus

Health Sciences
Two-Year Diploma
Nursing.
The nursing program is planned over a two-year period. Graduates can qualify for registered nurse certification in the province of Ontario. Trends in health care provided in acute care settings and extended care facilities are reflected throughout the program, concurrent with nursing theory. Clinical assignment is provided in a number of community agencies, as well as in the acute care settings of general hospitals.

Graduates of this program are prepared to practice nursing in first level staff nurse positions, for which the basic requirement is certification as a registered nurse.

Further information should be requested from the Nursing Division, Sir Sandford Fleming College, Brealey Campus, Peterborough, Ontario K9J 7B1.

Programs Considered for 1976-77
Drilling and blasting techniques, lumber grader millwright, resource survey technician, sawyer, taxidermy.

Continuing Education
Sir Sandford Fleming College has comprehensive continuing education programs in applied arts, business and technical areas. Not only do these programs lead to diplomas or certificates at levels similar to the day-time programs, but they also provide an important contribution to the professional development of the student's career.

Many non-credit subjects of general interest to the community are offered in Peterborough, Lindsay and Cobourg. Fine arts courses are offered from October to June. The Haliburton School of Fine Arts is held in July and August of each year.

Inquiries should be directed to the Continuing Education Division, Sir Sanford Fleming College, Peterborough, Ontario K9J 7B1. Telephone (705) 743-5624 ext. 40.

Retraining Division
The Retraining Division maintains the emphasis on the individual student. The academic upgrading program and commercial training programs are presented in individual learning packages. This allows the student to begin a program on any day that the college is open and to progress at his or her own rate.
The Division offers a variety of programs such as:

a) basic training for skill development — from semi-literacy to college entry;
b) commercial training — accounting, clerical, clerk-typist, dicta-typist, refresher, stenographic, teller-cashier;
c) technical — general carpentry, industrial orientation, machine shop, marine and small powered equipment mechanics, welder fitter.

Library
The library has facilities at each of the campus locations. It holds a total collection of 550 periodicals and over 18,000 volumes.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college.

Counselling Services
The college maintains a full-time Counselling Centre with qualified counsellors to provide students with confidential assistance in their personal problems.

Student Placement Services
A full-time Student Placement Officer is available to assist students in obtaining employment on graduation and also in obtaining part-time employment.

Living Accommodation
Residence accommodation is not available at the college. However, room and board facilities are available in the area.

Further Inquiries
For further information on admission requirements and programs offered, please contact
Registrar
Sir Sandford Fleming College of Applied Arts and Technology
Brealey Drive
Peterborough, Ontario K9J 7B1
Telephone (705) 743-5610

Information on student financial assistance may be obtained from
Student Awards Officer
Sir Sandford Fleming College of Applied Arts and Technology
Brealey Drive
Peterborough, Ontario K9J 7B1

Industry and government work together in Ontario to provide apprenticeship training for those who wish to make a career in the skilled trades. Apprenticeship is a systematic program of training on the job and in the classroom in order to provide an apprentice with the necessary skills to qualify as a journeyman. Under the direction of a journeyman, the apprentice becomes familiar with different materials, tools, principles and techniques.

Depending on the trade, the apprenticeship period varies from two to five years. During that time an apprentice is contracted to an employer who ensures that proper instruction is given. An apprentice's obligation is to do the job as well as possible.

While learning, an apprentice earns at a rate of pay that increases as more skills and experience are acquired. The exact rate of progression varies, but generally starts at a minimum of 40% of a journeyman's wage.

Entrance Requirements

Apprenticeship training is available in more than 300 construction, motive power, service, and industrial trades and is open to any man or woman 16 years of age or over who is physically fit and has some education at the elementary and preferably at the secondary level. In most trades the educational requirement is year 2 or equivalent, but in such trades as brick and stone masonry or cement masonry a grade 8 education is accepted. For those who do not have the minimum qualifications, courses may be taken at night school or by correspondence. In many instances the more education in technical or academic subjects an apprentice has, the shorter will be the training period.

School Credits

Secondary and post-secondary school students normally receive a 50-hour time reduction from each apprenticeship period for each academic grade level achieved beyond the apprenticeship entry level. Students may receive additional 50-hour credits for each trade subject credit (110-120 scheduled classroom hours) achieved beyond the entry level. Exceptions are noted in the School Credits section in Trade Descriptions which follows on pages 62-64.

Special tests and interviews for older workers without year 2 standing who wish to participate in an apprenticeship program are available through the Industrial Training Branch (ITB) at the Ministry of Colleges and Universities. These tests help the counsellors at the ITB to advise the worker about trades best suited to his or her experience and interests.

Classroom Instruction

There are generally two or more in-school sessions or programs associated with apprenticeship—a basic program during the first period of the contract, possibly an intermediate program, and finally an advanced one toward the end of the total apprenticeship. These sessions are arranged by the Ministry of Colleges and Universities and are taken at the nearest college of applied arts and technology offering them.

In the trades of baker, barber, chef and hairdresser, the apprentice is assigned to a course of training at a community college immediately on registration of the contract or as soon as possible thereafter.

In order to find the programs offered at the various community colleges for apprenticeship, check the CAAT chart (see page 14) or the program listings under the individual colleges.

In-School Training Allowance

All costs associated with classroom instruction are paid by the federal and provincial governments. These include tuition fees, transportation costs (to and from school at the beginning and end of each course), and a weekly allowance to cover food, accommodation, and other expenses during the school session. These allowances are changed periodically in relation to the cost of living index.

Certification

Upon successful completion of training and trade examinations (with a mark of 60% or higher), an apprentice will receive a Certificate of Apprenticeship. This document verifies that the trade skills of the holder meet Ontario standards. In some trades a mark of 70% or higher qualifies the apprentice for an Interprovincial Red Seal. The Red Seal indicates that the holder's trade qualifications are acceptable across Canada.

In Ontario there are two kinds of regulated trades: (1) those with compulsory certification, which means that only journeymen holding a Certificate of Qualification, registered apprentices, and those who are exempted from the regulations can work at the trade and (2) those with voluntary certification, which means that it is up to the workers whether they wish to qualify for a Certificate of Qualification. A Certificate of Qualification indicates that the holder possesses certain defined skills and knowledge and is capable of using them in practical work situations.

Holders of Certificates of Apprenticeship qualify for Certificates of Qualification without further examination, in the trades where they are available. The compulsory Certificate of Qualification must be renewed every second year. The voluntary certificate does not require renewal.

Becoming an Apprentice

The First Step

If you are interested in becoming an apprentice, contact the Industrial Training Branch at any one of the district offices listed at the end of this section and arrange for an interview with a counsellor. During the interview, your counsellor will be interested in your educational background, health, plans, aptitudes and interests.

The counsellor will help you to find the right trade to match your capabilities and inclinations by outlining the various career prospects, wages, working conditions and other factors for your consideration. You will also be advised, of course, of your eligibility for employment as an apprentice.

The Second Step

When you are approved as eligible for apprenticeship training by the Industrial Training Branch, the next step is to find an employer who will agree to undertake your training. Many employers recognize that apprenticesip training is a wise investment in the development of skilled manpower.

Your counsellor at the ITB or at the local Canada Manpower Centre will be able to tell you which firms have openings in a particular trade. Business agents of local unions connected with a trade can be very helpful and should be consulted regarding apprentice openings.

Registration

When you have found employment as an apprentice, you and your employer will sign a contract specifying conditions of employment such as hours of work, wages to be paid, and overtime rules. If you are under 18, a parent or guardian must also sign. Your contract is then registered with the Industrial Training Branch, and you are on your way.

Counselling

During your training period, district ITB counsellors will call on you and your employer to ensure that your training program, rates of pay and working conditions are satisfactory.

For further information on any aspect of Ontario's apprenticeship program, write to
Industrial Training Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1C2
or telephone your local Industrial Training Branch counsellor at
Barrie (705) 728-1951
Belleville (613) 968-8671
Brantford (519) 756-5197
Brockville (613) 842-9447
Chatham (519) 352-2800
Cornwall (613) 933-7080 ext. 253
Guelph (519) 821-3770
Hamilton (416) 527-9105
Hawkesbury (613) 632-2759
Kenora (807) 468-3128
Kingston (613) 544-5400
Kitchener-Waterloo (519) 884-5460
London (519) 453-7190
North Bay (705) 474-5509
Oshawa (416) 576-0171
Ottawa (613) 731-7100
Owen Sound (519) 376-5790
Pembroke (613) 735-1041
Peterborough (705) 743-4172
St. Catharines (416) 682-4313
Sarnia (519) 542-7751
Sault Ste. Marie (705) 949-3331
Stoney Creek (416) 664-5116
Stratford (519) 273-1520
Sudbury (705) 560-3440
Thunder Bay (807) 475-1605
Timmins (705) 235-3644
Toronto (416) 965-4211
Windsor (519) 254-8654

Trade Descriptions

This section describes 15 regulated trades where certification is compulsory. For each trade the educational requirements, length of the program, credits for academic achievement, minimum wages and duties are outlined. For information about regulated trades with voluntary certification and a partial listing of non-regulated trades see the brochure entitled *Training for the Skilled Trades*, obtainable from the local Industrial Training Branch offices listed on page 61 or from the
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9
Telephone (416) 965-6134

Alignment and Brakes Mechanic
Educational requirement
Year 2 or equivalent.

Length of program
3 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To adjust, maintain and repair suspension and brake systems, wheels, rims, tires and tubes; to balance wheels; to inspect for frame alignment and re-align as necessary.

Auto Body Repairer
Educational requirement
Grade 8 or equivalent.

Length of program
4 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determinud when the applicant is interviewed for apprenticeship.

Minimum wages
50, 60, 80 and 90 per cent of journeyman's wage per period.

Duties
To hammer out dents in body panels, fenders and skirting; to file, grind, sand, fill and finish ready for priming, any dented, welded or pieced area; by heat treatment to shrink or stretch metal panels; to weld breaks in body area; to test for and correct faulty alignment of frames; to paint and glaze; to remove and install body parts.

Barber
Educational requirement
Year 1 or equivalent.

Length of program
3 periods of 1,500 hours each.

Credits for academic achievement
See page 60 — School Credits.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To cut, trim, tint, bleach, dye hair; to shampoo hair and scalp; give hair and scalp treatments or facial massages; to clean or dress artificial hair pieces; shape, colour or treat eyebrows or eyelashes, curl or wave hair, comb or brush hair; to shave or trim beards or moustaches, and perform any other operation with respect to dressing hair to obtain an intended effect or particular style; to represent oneself to the public as a barber only.

Other information
A person may also become a barber by registering with a licensed private school and paying the tuition fee. The satisfactory completion of 1,200 hours of training and instruction makes one eligible to write the departmental examination and if successful, to receive an Interim Certificate of Qualification. The candidate is then required to spend one year working in the trade itself, under supervision, before being granted a Subsisting Certificate of Qualification.

Electrician (Construction and Maintenance)
Educational requirement
Year 2 or equivalent.

Length of program
5 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minumum wages
40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties
To lay out, assemble, install, repair, maintain, connect or test electrical fixtures, apparatus, control equipment and wiring for systems of alarm, communication, light, heat or power in a building or other structures; to plan proposed installations from blueprints, sketches or specifications or install panel boards, switch boxes, pull boxes and other related electrical devices; to measure, cut, thread, bend, assemble and install conduits and other types of electrical conductor enclosures that connect panels, boxes, outlets and other related electrical devices; to install brackets, hangers, or equipment for supporting electrical equipment; to install in or draw electrical conductors through conductor enclosures; to prepare conductors for splicing of electrical connections, secure conductor connections by soldering or other mechanical means, or reinsulate and protect conductor connections, or test electrical equipment for proper function.

Electrician (Domestic and Rural)
Educational requirement
Year 2 or equivalent.

Length of program
4 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
40, 50, 60 and 70 per cent of journeyman's wage per period.

Duties
To perform the work of an electrician in the construction, erection, repair, remodelling or alteration of houses, multiple dwelling buildings containing six or fewer dwellings, or buildings or structures used for farming; to perform maintenance to electrical equipment in houses, multiple dwelling buildings containing six or fewer dwellings, or farms.

Fuel and Electrical Systems Mechanic
Educational requirement
Year 2 or equivalent.

Length of program
3 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To repair and adjust fuel systems; to install, repair and remove ignition systems, generators, alternators, starters, coils, panel instruments, wiring and other electrical systems and equipment; to perform a complete tune-up of an engine; to install, inspect, maintain and remove motor vehicle air-conditioning systems.

Hairdresser
Educational requirement
Year 1 or equivalent.

Length of program
3 periods of 1,500 hours each.

Credits for academic achievement
See page 60 — School Credits.
Secondary school course.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To tint, bleach or dye hair and shampoo hair and scalp; to give hair and scalp treatments, clean or dress artificial hair pieces, cut and trim hair; to shape, colour, or treat eyebrows or eyelashes; to curl or wave hair by any means, comb or brush hair and perform any other operation with respect to dressing hair to obtain an intended effect or a particular style.

Other information
A person may also become a hairdresser by registering with a licensed private school and paying the tuition fee. Satisfactory completion of 1,200 hours of training and instruction, makes one eligible to write the Ontario examination and, if successful, to receive an Interim Certificate of Qualification. After working under supervision in the trade for one year, a student is granted a Subsisting Certificate of Qualification.

Motorcycle Mechanic
Educational requirement
Year 2 or equivalent.

Length of program
3 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To disassemble, adjust, repair and reassemble engines, power trains, suspensions and all systems of motorcycles, and test them for serviceability.

Motor Vehicle Mechanic
Educational requirement
Year 2 or equivalent.

Length of program
5 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
50, 60, 70, 80 and 90 per cent of journeyman's wage per period.

Duties
To disassemble, adjust, repair and reassemble engines, transmissions, clutches, rear ends, differentials, brakes, drive shafts, axles and other assemblies; to test for and correct faulty alignment of wheels and steering mechanisms, manual or power; to repair or replace suspension systems including shock absorbers and spring assemblies; to install, repair and remove ignition systems, generators, alternators, starters, coils, panel instruments, wiring and other electrical systems and equipment; to repair and adjust fuel systems; to perform complete engine tune-ups; to install, inspect, maintain and remove motor vehicle air-conditioning and refrigeration systems.

Plumber
Educational requirement
Year 2 or equivalent.

Length of program
5 periods of 1,800 hours each.

Credits for academic achievement
See page 60 — School Credits.

Minimum wages
40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties
To lay out, assemble, install, maintain, or repair in any structure, building or site, piping, fixtures and appurtenances for the supply of water for any domestic or industrial purpose or the disposal of water after it has been used for a domestic or industrial purpose; to connect to piping any appliance that uses water supplied to it or disposes of waste; to install the piping for any process, including the conveyance of gas, or any tubing for a pneumatic or air-handling system; to make joints in piping; to read and understand design drawings, manufacturers' literature and installation diagrams for piping and appliances connected thereto; *does not include* duties in the manufacture of equipment or the assembly of a unit prior to delivery to a building, structure or site, the laying of metallic or non-metallic pipe into trenches to form sanitary or storm sewers, drains or water mains, or the repair and maintenance of the installation in an operating industrial plant.

Refrigeration and Air-Conditioning Mechanic
Educational requirement
Year 2 or equivalent.

Length of program
5 periods of 1,800 hours each.

Credits for academic achievement
See page 60 — School Credits.

Minimum wages
40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties
To install or assemble any component of a refrigerating or air-conditioning system; to assemble or connect any pipe or duct used in piping refrigerant or conditioned air; to overhaul or repair any equipment used in refrigerating or air-conditioning system, and test, adjust or instruct in the operation of refrigerating or air-conditioning systems; *does not include* repairing or installing hermetically sealed domestic self-contained appliances of not more than 9,000 B.T.U.

Sheet Metal Worker
Educational requirement
Year 2 or equivalent.

Length of program
5 periods of 1,800 hours each.

Credits for academic achievement
See page 60 — School Credits.

Minimum wages
40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties
To manufacture, fabricate, assemble, handle, erect, install, dismantle, recondition, adjust, alter, repair or service all ferrous and non-ferrous sheet metal work of No. 10 U.S. gauge or of any equivalent or lighter gauge and all other materials used in lieu thereof; to read and understand shop and field sketches used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches; *does not include* employment in production commonly known as mass production.

Steamfitter
Educational requirement
Year 2 or equivalent.

Length of program
5 periods of 1,800 hours each.

Credits for academic achievement
See page 60 — School Credits.

Minimum wages
40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties
To lay out, assemble, install, maintain or repair any heating system, cooling system, process system or industrial system; to install or connect piping in any building or structure; to install the piping for any process, including a process that conveys gas, or the tubing for any pneumatic or air-handling system; to read and understand design drawings, manufacturers' literature, and installation diagrams for any system referred to; *does not include* the manufacture of equipment or the assembly of a unit prior to delivery to a building, structure or site.

Transmission Mechanic
Educational requirement
Year 2 or equivalent.

Length of program
3 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To repair clutches, standard and automatic transmissions, and drive shafts; to become familiar with engine operation in relation to its correct functioning with these components.

Truck-Trailer Repairer
Educational requirement
Year 2 or equivalent.

Length of program
3 periods of 1,800 hours each.

Credits for academic achievement
Related courses can qualify the applicant for credit in the apprenticeship program. Credits for secondary school subjects will be determined when the applicant is interviewed for apprenticeship.

Minimum wages
50, 70 and 90 per cent of journeyman's wage per period.

Duties
To repair trailer suspension systems, frames, brakes and electrical systems; to perform basic trailer body repair and maintenance of refrigeration equipment.

Watch Repairer
Educational requirement
Year 2 or equivalent.

Length of program
3 periods of 1,800 hours each.

Credits for academic achievement
See page 60 — School Credits.

Minimum wages
40, 60 and 80 per cent of journeyman's wage per period.

Duties
To make or fit parts for timepieces and repair, alter, take apart, assemble or reassemble timepieces or any part thereof; to determine the condition of timepieces and estimate the repairs necessary; to clean, polish or lubricate timepiece movements or any part thereof and test, adjust or regulate timepieces or any part thereof.

Other information
A person may also become a watch repairer by registering in an approved course at a college of applied arts and technology. Satisfactory completion of the course will make one eligible to write the departmental examination, and if successful to receive a Certificate of Qualification. Persons who complete only part of an approved training course may complete their training as apprentices and on registration will receive full credit for the training previously taken.

General Information on Ontario Universities

The 60s were a time of growth for Ontario universities when programs of study multiplied and enrolments greatly increased. The aims of a university have sometimes been blurred, perhaps because of the preoccupations that necessarily come from such a rapid expansion of an educational system, but most of all because of the mistaken notion that the primary goal of a university education is a job. The community colleges were created to provide vocational training. This is not the main function of a university.

The idea of a university has been discussed over hundreds of years by many distinguished people. Although the institution and its "idea" have changed, it is possible to indicate the major functions of a university: the preservation of knowledge, the interpretation of that knowledge, the search for truth and the handing on of tradition.

A university creates and preserves a tradition of learning; it is a place of culture in the highest sense where the best that is thought and felt in our own time, as well as in the past, is freely discussed, studied and questioned. It is a place where students learn to use their abilities and to acquire self-discipline, judgment, the capacity to think independently and to carry on the tradition of learning.

University offers a student the chance to investigate human thought in all fields of learning and to meet those who stand on the frontiers of knowledge where discoveries are made. New areas of thought are being mapped and old ones re-examined. A university, then, provides the setting in which these ideas may be discussed and evaluated.

Admission to Bachelor and First Professional Programs at University
In general, universities require an average of 60% or better in the subjects counted toward the Ontario Secondary School Honour Graduation Diploma

(year 5). Some universities may consider applications from students with averages below 60%. Students should be aware, however, that possession of the minimum admission requirements does not guarantee admission; that applicants with good standing are more readily accepted than students with a borderline standing; and that for certain programs with limited enrolment, an average of 70% to 80% or more may be required.

Course Prerequisites
Specific year 5 subject requirements vary according to the university and area of study selected. These are listed for each university under the appropriate degree program but as the admissions information has been confirmed only for the current year, students are advised to check with their guidance counsellors concerning any possible changes in subject requirements affecting the 1977-78 academic year.

Early Acceptance
Early acceptance to university may be offered to students before the end of the school year on the basis of interim year 5 marks, year 3 and year 4 marks, and the principal's recommendation, on condition that they maintain their standing and complete their year successfully.

Application Procedure to Enter an Ontario University
A student planning to enrol in any year at an Ontario university in 1977 will submit an application through the
Ontario Universities' Application Centre
Box 1328
Guelph, Ontario N1H 6N8
Telephone (519) 823-1940

The centre will receive and record applications, admissions decisions by the universities, and student acceptances of offers of admission. Applicants are divided into two separate streams for processing:

a) Secondary school applicants — those now enrolled in full-time Ontario year 5 programs in accredited secondary or private schools.
b) Other applicants — applicants not now enrolled in Ontario secondary schools, including adult applicants, applicants who previously obtained year 5, correspondence school and night school applicants and applicants from other provinces and countries.

The application procedure will operate as follows:
Applicants currently enrolled in Ontario Year 5
The centre will preprint a personalized application form for those applicants currently enrolled in Ontario year 5 who indicate when they register in September that they intend to apply for university admission. The forms will be prepared from information obtained from the files of the Ministry of Education.

A supply of application forms will also be sent to the schools for any applicants who may not have received the personalized forms, or who are in year 4 or in night school. The application form will be submitted to the principal for the completion of the year 3 and 4 course data. The principal will forward the completed form to the centre. These forms will be processed by the centre and sent to appropriate universities. The centre will also obtain the recommended interim year 5 marks directly from the secondary school.

Other Applicants
Other applicants should obtain application forms from the universities of their choice. An applicant may submit to the centre up to three choices of universities. The applicant will complete the form and send it to the centre with an application fee. The centre will process the application and forward it to the university. The applicant will arrange to have supporting academic documents forwarded directly to the university.

Clearing Process
If applicants receive a refusal of admission from the university of their choice, they may add a new university and have their application reviewed by this university.

University Decision on the Applicant
The university, when it makes an offer of admission to the applicant, will include a response document which the applicant will complete and return to the centre. The applicant cannot accept more than one offer of admission. The centre will process the response and notify the one university of acceptance and the other universities of the refusal of their offers.

For further information, contact
Ontario Universities' Application Centre
Box 1328
Guelph, Ontario N1H 6N8
Telephone (519) 823-1940

Schedule of Important Dates 1976-1977
October 1, 1976
Beginning of 1977 Admission Cycle. Application forms for regular applicants (OUAC 105) available at universities.

November 17, 1976
Preprinted application forms for year 5 applicants (OUAC 101) sent to secondary schools for those who indicated on the year 5 registration their intention of enrolling in an Ontario university.

December 1976
Application Form (OUAC 101) with university and program choice to be submitted to secondary school for inclusion of the year 3 and 4 course data.

December 31, 1976
Application Form (OUAC 101) to be forwarded to the Application Centre by the secondary schools.

January 24, 1977
Acknowledgement/Amendment Form (OUAC 107) mailed to the secondary school for applicants who submitted an application form.

February 21, 1977
Grades for Early Admission (OUAC 102) sent to the secondary school for applicants who submitted an application from and the application service fee.

April 8, 1977
Grades for Early Admission (OUAC 102) to be returned by the secondary school to the Application Centre.

June 3, 1977
Earliest date for offer of admission, residence and scholarships by universities to year 5 applicants.

June 17, 1977
Earliest date that universities may require a response to an early offer of admission, residence and scholarships.

August 9, 1977
University Discretionary Period begins.

October 8, 1977
Universities to submit preliminary report on registered applicants and admission decisions.

Preliminary Year and Admission from Year 4
Four universities — Carleton, Ottawa, Windsor and Brescia College (an affiliate of Western) — offer a preliminary year in lieu of year 5 for highly qualified year 4 students. At the University of Ottawa, this is only available in the science and engineering faculties. Year 4 students who achieve a minimum overall average of 80% on their final marks are eligible to apply to the first year of Ottawa's Faculty of Arts.

Brock University offers admission into

first year to exceptional students, recommended by their schools, who have completed year 4 and Brock's special summer course. Wilfrid Laurier University's Scholarship Program offers a limited number of Ontario secondary school students the opportunity to enter first year of the Bachelor of Arts program after successfully completing summer session courses at the university.

Mature or Non-Matriculant Students
The admission requirements for mature or non-matriculant students vary widely. Most universities impose an age minimum of either 21 or 23 years. Some universities require students to have been away from formal education for a period of time and some prescribe pre-university course work or special admission tests. In general, mature applicants are expected to have at least adequate standing in the academic work they have undertaken previously and to be able to demonstrate that they have the aptitude for work at the university level. Since at many universities places in full-time programs are filled by early July, students who are seriously interested in full-time study and are planning to apply as mature or non-matriculant applicants should apply early.

Graduate, Extension and Summer Programs
Horizons does not include information on the variety of graduate, extension and summer programs offered at the university level. Graduate programs normally require honours standing in a four-year undergraduate program as a prerequisite. In general, admission requirements for part-time, extension and summer programs leading to degree credits are the same as for full-time degree programs. Non-credit courses for students not working towards a degree are also available. For further information, check with the Admissions Office, the Extension Department, or the Graduate School of the university concerned.

Secondary School Liaison and University Information Programs
During the academic year, representatives from each of the 16 universities in Ontario and Ryerson Polytechnical Institute visit over 100 secondary schools across Ontario to take part in university information sessions for students, parents and guidance counsellors, as arranged by local and county boards of education. The purpose of these programs is to provide first hand information about university admission requirements, programs of study, campus life, facilities, campus tours, and scholarships. The names and addresses of Secondary School Liaison Officers are given in the university sections of *Horizons*. Inquiries are welcome.

Programs available at Ontario universities

Note:
The following chart is a listing of programs offered at the 16 universities in Ontario. *This is not a comprehensive list.* For information on special programs see the individual university entries on pages 72-105. For information about programs offered at Ryerson Polytechnical Institute see pages 89-91.

Codes:
● = undergraduate degree program
○ = undergraduate diploma program
★ = undergraduate degree and diploma programs
◇ = undergraduate and graduate programs
G = graduate study only
M = minor specialization only
† = check with university for details

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windsor	York
General Arts and Science																
General arts	●	●	●	●			◇	●	●	●	●	●	●	●	●	◇
General science	●	●	●	●	●	●	◇	●		●	●	●	●	●	●	◇
Humanities: Art, fine arts, theatre																
Art education								●		●					M	●
Art, fine arts			●			●	●				M	●	●	●	●	◇
Art history		●		●		●	●	●		◇		●			●	●
Dance													●		M	◇
Drama, dramatic art	●		●			●	★	●		◇		●	●		●	◇
Film, cinema		●					●	●		M		●	●		M	●
Painting							●								M	◇
Studio art							●			●		●			●	◇
Theatre, theatre arts	●			●			★					●			●	◇
Humanities: Canadian and International Studies																
Asian studies	●		●			●				◇		M		●	●	●
Canadian studies		◇	M	●	●	●	●	●		●	●	●		●	M	●
Indian Eskimo, native studies					●						★				M	
Latin-American, Caribbean studies								●		●	M				●	●
Soviet, Russian studies		◇					◇	●		◇			●		●	
Humanities: Journalism																
Communication arts							★								●	
Journalism		◇											G		M	
Humanities: Languages and literatures																
Chinese, Chinese studies										◇					M	M
Classics, classical studies	●	◇	●	M	M	◇	◇	◇		◇	●	●	◇	●	●	●
English language and literature	●	◇	◇	◇	◇	◇	◇	◇	●	◇	●	◇	◇	●	◇	●
French language and literature	●	◇	●	●	●	◇	◇	◇	●	◇	●	◇	◇	◇	◇	●
German language and literature	●	◇	●	M	●	◇	●	◇		◇	●	◇	◇	●	●	●
Greek language and literature	●	◇	●			◇		●		◇	●	●	●	●	●	●
Italian language and literature	●	●	●	M	●	●		M		◇			●		●	●
Latin language and literature	●	◇	●	M	M	◇		●		◇	●	●	◇	●	●	●
Linguistics, applied linguistics		●	●		M		◇			◇	M		●		●	●
Russian language and literature	●	●		M	●	●	◇	●		◇		◇	●		●	●
Spanish language and literature	●	◇	●	M	●	●	●	◇		◇	●	●	◇	◇	◇	●
Translation, interpretation					●		●	●		○					M	
Humanities: Music																
Music	●	●	●	M		●	●	●				●	◇	●	●	●
Music education						●	●	●		†			◇		●	
Music history, music literature						●	●	●		◇			◇		●	●
Music performance, applied music						●	●	●		†			◇	●	●	●
Music theory, music composition						●	●	●		◇			◇		●	●
Humanities: Philosophy and religious studies																
Philosophy	◇	◇	◇	●	●	◇	◇	◇		◇	●	◇	◇	●	◇	◇
Religion, religious studies		◇		M	●	◇	◇	●		●		●	●	◇	◇	●
Theology, theological studies						G	◇	◇		◇			●	G		

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windsor	York
Social Sciences: Business, commerce, economics																
Accounting, accountancy	●			●		M	●				M				◇	M
Actuarial science										●		●	●		M	
Administration, administrative studies	●					M	★						G		◇	◇
Business, business administration	●		M	†	★	G	◇			G			◇	◇	◇	◇
Business economics							◇						G			M
Commerce		●		●	●	◇	●	●	●	●			G		◇	
Economics	●	◇	◇	◇	●	◇	◇	◇	●	◇	●	◇	◇	●	◇	◇
Finance						M	●			●			G		◇	M
Industrial, labour relations				●		M	○			G			G		M	M
Management, management sciences, business management						M	◇					◇	G		◇	M
Marketing						M	●						G		◇	G
Public administration	●	†				M	★	G		●			○		●	G
Social Sciences: Education																
Education	◇		◇	◇			◇	◇		◇	●		◇		◇	★
Elementary education	●			◇	★		●	●		●	●		●		●	★
Secondary education	●			◇			●	●		●	●		●		●	★
Special education, exceptional children				M			●								G	★
Social Sciences: History																
Ancient history, civilization						M	◇			●	●		G		M	M
History	●	◇	◇	◇	◇	◇	◇	◇	◇	◇	●	◇	◇	◇	◇	◇
Mediaeval studies, Renaissance studies						M	◇	●		◇		●	G		M	M
Social Sciences: Home economics and food studies																
Clothing and textiles, design, fashion			●										●		M	
Dietetics			●				●						●		M	
Family studies, family science			◇							●					M	
Home economics													●		●	
Nutrition			◇				●			G			●		M	
Social Sciences: Physical education and recreation																
Health, health studies				●			●	M		◇		●			◇	
Kinesiology			◇				●					◇			●	M
Physical education, physical and health education	●			◇	●	●	◇	◇		◇			◇	M	◇	●
Recreation				●			●			●		◇				M
Social Sciences: Political Science																
Canadian politics	◇	G				M	●						G		M	M
International affairs, relations, studies	◇	G				M	●		●	◇			G		●	M
Political science, politics	◇	◇	◇	●	●	◇	●	◇	●	◇	●	◇	◇	◇	◇	◇
Social Sciences: Other																
Anthropology		◇	◇	●	●	◇				◇	●	●	●	●	◇	◇
Archaeology	●					M	●			G	M			●	M	
Law		●					◇	G		◇			●		G	◇
Psychology	●	◇	◇	◇	●	◇	◇	◇		◇	●	◇	◇	◇	◇	◇
Secretarial science, art, administration										◇			●			
Social work		G		●	●	◇				G			●	G	◇	●
Sociology	●	◇	◇	◇	●	◇	◇	◇		◇	●	◇	◇	●	◇	◇
Biological Sciences: Agriculture																
Agricultural biology, business, engineering			◇													
Agriculture			†												M	
Horticulture			◇												M	
Landscape architecture			◇							●						
Biological Sciences: Biology																
Anatomy							G	◇		G			◇		M	
Biochemistry	●	●	◇			◇	◇	◇		◇			◇		●	

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windsor	York
Biological Science: Biology (cont'd.)																
Biology, biological sciences	◇	◇	◇	◇	◇	◇	◇	◇		●	●	◇	●	●	◇	◇
Botany	●	◇	◇		◇					◇			◇		M	
Physiology	●	◇					G	◇		◇			◇		M	
Zoology	●	◇	◇		◇					◇			◇		M	
Biological Sciences: Dentistry																
Dental surgery										◇						
Dentistry										◇			◇			
Biological Sciences: Other																
Environmental studies	●	●	◇			G	G			G	●	●	G		G	◇
Forestry, forest technology				◇						◇						
Marine sciences																
Marine biology, marine sciences			◇												M	
Medicine						◇	◇	◇		◇			◇			
Microbiology, immunology		●	◇	●			G	◇		◇			◇		M	
Nursing				●	●	◇	●	●		◇			◇		●	
Nursing education													G		M	
Occupational therapy, physical therapy, physiotherapy								●		●			●			
Optometry												●				
Pharmacy										◇						
Veterinary medicine			◇													
Physical Sciences: Engineering																
Chemical engineering				★	†	◇	◇	◇	◇	◇		◇	◇		◇	
Civil engineering		◇		★	◇	◇	◇	◇	◇	◇		◇	◇		◇	
Electrical engineering		◇		★		◇	◇	◇	◇	◇		◇	◇		◇	
Engineering			◇	★	†	†	◇			◇		●	◇		◇	
Engineering physics				M		◇		●	◇							
Industrial engineering										◇					◇	
Materials science		G				◇				◇			◇		◇	
Mechanical engineering		◇		★	†	◇	◇	◇	◇	◇		◇	◇		◇	
Physical Sciences: Mathematics																
Applied mathematics		●		◇		◇	●	●				◇	◇		●	●
Computer science	●	●	●	◇		●	●	◇		◇		◇	◇		●	●
Mathematics	●	◇	◇	◇	●	◇	●	◇	G	◇	●	◇	◇	●	◇	◇
Statistics		◇	◇			●				◇		◇	◇		M	M
Physical Sciences: Physics																
Astronomy					M					◇			◇			G
Biophysics			◇			G				◇			◇		●	
Chemical physics			●			G		●		◇			◇		◇	G
Geophysics, space physics, astrophysics		●								◇			◇		M	G
Mathematical physics		●		●			●	●		◇					◇	M
Physics	◇	◇	◇	◇	◇	◇	◇	●	G	◇	●	◇	◇	●	◇	◇
Physical Sciences: Other																
Architecture		◇								◇		●				
Chemistry	◇	◇	◇	◇	◇	◇	◇	◇		◇	●	◇	◇	●	◇	◇
Geography		◇	◇	●	●	◇	◇	◇		◇	●	◇	◇	◇	◇	◇
Geology	◇	◇		●	◇	◇	◇	◇		◇		●	◇		◇	●
Metallurgy						◇		◇		◇					M	
Regional Studies																
Community, urban, regional planning	●						G	G		◇		◇	G		●	
Urban studies, urbanism	●					G				◇		●		●	●	●
Independent Studies																
Independent studies, experimental programs		●				†					●	●		●		●

Brock University

St. Catharines

President: Alan J. Earp

In an age of the multi-university, Brock stands closer to the traditional values of university education. Full-time enrolment is only 2,300. Classes are smaller and are taught by faculty, not senior or graduate students. The seminar and discussion group are an integral part of the learning experience. A nucleus of courses in the humanities, social sciences and sciences is complemented by programs in administration, physical education, urban studies, computer science and music. A College of Education provides a one-year course for university graduates, but Brock undergraduates may take degree courses in education concurrent with their undergraduate program.

The 600-acre main campus, the DeCew Campus, is located on the Niagara Escarpment overlooking St. Catharines and Lake Ontario. A science complex is located at the base of the escarpment on the Glenridge Campus. The surrounding countryside includes the suburban edge of the city, farmland, and the conserved bushland of the Bruce Trail. The historic Niagara Region offers Brock students a wide range of cultural, recreational and social facilities which are as varied as they are unique.

Enrolment 1975-76
Full-time 2,400

Faculties and Schools
Administrative Studies Program
College of Education
Faculty of Arts and Science
Institute of Urban and Environmental Studies
School of Physical Education

General Requirements for Admission in 1977
Candidates for admission to the first year of an undergraduate program at Brock University will ordinarily be required to present an Ontario Secondary School Honour Graduation Diploma, with at least three different subjects and with standing satisfactory to the university. Candidates who present a highly specialized program for university entrance will be considered as special cases for admission.

Two credits in a given language will be beneficial to students intending to pursue studies in that language at the university.

One credit in mathematics is strongly recommended for students intending to major in administration, economics, geography, psychology, sociology and urban studies.

Early Admission
All year 5 applicants are encouraged to apply as soon as possible.

See introduction on admission to Ontario universities for information about application procedures and deadlines. A candidate must complete year 5 to the secondary school principal's satisfaction.

Year 4 Summer Program
Brock continues to be interested in and concerned with the admission of exceptional students. This concern has been mirrored in the Special Year 4 Summer Program, a unique and innovative education experience offered to exceptional year 4 (grade 12) students. The five-week summer course, now in its ninth year, allows students to become involved in a total immersion program simulating a normal first year university experience. Areas of study offered include: humanities (classics and philosophy), languages (French and German), mathematics for mathematics majors, mathematics for non-mathematics majors, sciences for non-science majors (biology and geology), sciences for science majors (chemistry and physics), and social sciences (economics and sociology).

There is no tuition fee for this course. Students must pay only for their books and residence accommodation, which is optional. Since applications and acceptance to the program depend upon the anecdotal comments of guidance counsellors concerning the maturity and readiness of the student for university study, applicants should contact their school counsellor for further information.

•Degree Programs and Subject Requirements

Bachelor of Administration
The university recently introduced a program in administration designed for those students who intend to pursue careers in administration in the public sector (in various levels of government, health, education, etc.) or in the private sector (in industry, commerce and labour). Although professionally oriented, the program is based primarily on social science disciplines, particularly in the first two years. The primary purpose is to provide students in administration with a strong academic background as well as to prepare them for a career in the broad field of administration. The curriculum in administration is offered only at the honours level.
Admission Requirements: Students may qualify for admission through either the arts or science admission requirements.

Bachelor of Arts
Pass and honours:
Asian studies, biological sciences, classics (Latin and Greek), computer science (combined major only), drama and film, economics, English, geography, Germanic and Slavic studies (German and Russian), history, music (honours only), philosophy, politics, psychology, Romance studies (French, Italian, Spanish), sociology, urban studies.
Admission Requirements: For entry into arts degree programs, English is mandatory. OSSHGD with standing satisfactory to the university.

Interdepartmental Programs
Interdepartmental programs are being offered to meet the needs of students who wish to diversify their studies over two or more areas of concentration, and who do not wish to tie themselves to a combined major.

Students may select appropriate courses from several departments to focus on a field of study that is of particular interest to them. The resulting combinations of courses will therefore be highly personalized in character.

Bachelor of Science
Pass and honours:
Biological sciences, chemistry, geological sciences, mathematics, physics.
Admission Requirements: OSSHGD with standing satisfactory to the university. Two credits in mathematics are mandatory and English is strongly recommended.
Specific Requirements: Biological sciences — any two of biology, chemistry, physics (chemistry and physics preferred); chemistry — chemistry, physics; geological sciences — any two of biology, chemistry, physics; mathematics — a third credit in mathematics (physics is strongly recommended); physics — chemistry, physics (a third credit in mathematics is strongly recommended).

Extradepartmental Studies
Extradepartmental Studies offers a variety of degree credit courses which do not fall under the auspices of existing university departments. Students should note that it is not possible to major in Extradepartmental Studies, but that these courses may be taken for credit as electives in any degree program.

Bachelor of Physical Education
The School of Physical Education offers a three-year program leading to the degree of Bachelor of Physical Education (B.Phys.Ed.).

The program is unique in Ontario universities in that its major emphasis is on physical education for elementary school age children.

Students completing the program will be eligible for admission to the certification year at the College of Education. Students completing the certification year will be qualified to teach physical education at the elementary school level in the province of Ontario. Students not wishing to enter the teaching profession after completing their degree program will be qualified to accept positions in community physical education and recreational agencies.
Admission Requirements: Students applying to the School of Physical Education may qualify for admission through either the arts or science admission requirements.

Institute of Urban and Environmental Studies
The program in urban and environmental studies provides an interdisciplinary focus on urban and environmental studies combined with a sound background in the natural or social science disciplines. The institute offers combined major degree programs collaterally with a major in one of the following departments at Brock: biological sciences, chemistry, economics, geography, geological sciences, politics or sociology.
Admission Requirements: Students officially enter the program at the beginning of second year at Brock following a prerequisite first year program.

College of Education
The college provides a one-year course leading to an Interim Elementary School Teacher's Certificate or a High School Assistant's Certificate. Admission to the one-year program requires the minimum of a pass degree.

A choice of either an elementary or a secondary option is given to candidates. Students completing the course will be recommended to the Ministry of Education for an Elementary School Teacher's Certificate, a High School Assistant's Certificate, Type B, or a High School Assistant's Certificate, Type A.

Students intending to take the secondary option will normally be required to have completed five university courses related to their specialty for a Type B certificate, and nine related courses for a Type A certificate.

Library
The library's collection includes 270,000 books, bound periodicals and documents; 2,400 current periodicals.

Annual Tuition Fees for All Degree Programs
Full-time and part-time students $130 per course.

Further Information
Inquiries about admission requirements should be sent to
Mr. John Bird
Assistant Registrar, Admissions
Brock University
St. Catharines, Ontario L2S 3A1

Information about student awards and loans may be obtained from
Mrs. Ann Stavina
Student Awards Officer
Brock University
St. Catharines, Ontario L2S 3A1

Inquiries about the year 4 program should be directed to
Mr. John Bird
Assistant Director, Year 4 Program
Brock University
St. Catharines, Ontario L2S 3A1

Inquiries about university information programs for secondary schools should be directed to
Schools Liaison and Alumni Officer
Brock University
St. Catharines, Ontario L2S 3A1

Telephone (416) 684-7201

Carleton University

Ottawa

President: Michael Oliver

Carleton University, which was founded in 1942, offers a traditionally sound academic program, complemented by several innovative approaches to undergraduate study. Students at Carleton can obtain degrees from four faculties (Arts, Science, Engineering and Graduate Studies) with in-depth study available in 40 disciplines.

Special areas of study include journalism, Canadian studies, international affairs, Soviet and East European studies, comparative literature, Certificate in Teaching of English as a Second Language (CTESL), public administration, social work and linguistics. Unique approaches to study programs have also been developed in the School of Architecture, the School of Industrial Design, the School of Commerce, the Faculty of Engineering, the Graduate School of Social Work and St. Patrick's College. An Integrated Science Studies degree program initiated in 1971 also offers an interdisciplinary approach to the study of science.

Besides the faculties offered by Carleton itself, the university's location in the national capital provides unique learning resources through the National Research Council, the Public Archives, Parliament, the National Museum and the National Gallery, to name only a few.

In 1959, Carleton moved to its present 136-acre campus, situated between the historic Rideau Canal and Rideau River. The university now has a full-time enrolment of 9,123 students with another 6,930 studying part-time.

St. Patrick's College occupies a new building on the Rideau River Campus. The college offers the traditional advantages of a small college environment complemented by the resources of a large university. Traditional areas of concentration within a Bachelor of Arts program are available at the college, along with unique programs such as a unified liberal arts program (ULAP), a one-year French immersion program, and a Canadian studies program.

Campus facilities include a physical recreation building, featuring a 50-metre pool and fitness areas, and computer services.

Enrolment 1975-76
Full-time 9,123
Part-time 6,930

Faculties, Schools and Institutes
Faculty of Arts
Faculty of Engineering
Faculty of Graduate Studies
Faculty of Science
School of Architecture
School of Commerce
School of Industrial Design
School of International Affairs
School of Journalism
School of Public Administration
School of Social Work
Institute of Canadian Studies
Institute of Soviet and East European Studies

General Requirements for Admission in 1976-77
For the qualifying university year: Ontario Secondary School Graduation Diploma with a minimum 65% average. A minimum of 10 credits must be presented in the advanced or enriched phase at levels three and four.

For the first year of a degree program: Completion of an Ontario Secondary School Honour Graduation Diploma with 60% average (65% for honours).

•Degree Programs and Subject Requirements

Bachelor of Arts
Major program:
Three years. Available in art history, biology, Canadian studies, classical civilization, classics (Greek, Latin), economics, English, film, French, geography, German, history, Italian, law, linguistics, mathematics, music, philosophy, political science, psychology, religion, Russian, sociology-anthropology, and Spanish.

Honours program:
Four years. Available in art history, classics, economics, English, French, geography, German, history, Italian, law, linguistics, mathematics, music, philosophy, political science, psychology, religion, Russian, sociology-anthropology, Spanish. Certain combined programs may be arranged.

Honours in public administration:
Four years with specialization in political science, economics, public law.

Honours in Soviet and East European studies:
A four-year interdisciplinary course with emphasis on Russian language and literature, political science, economics and history.

Year 4 Requirements for a Bachelor of Arts Program
The OSSGD with a minimum 65% average and including two of English, a language other than English, or mathematics at the fourth level. A minimum of 10 credits must be presented in the advanced or enriched phase at levels 3 and 4.

Year 5 Requirements for a Bachelor of Arts Program
The OSSHGD with a minimum 60% average. For majors in biology, economics, and mathematics, functions and calculus must be presented.

Bachelor of Journalism
Honours program:
Four years from senior matriculation. The aim of the program is not to train technologists; it is to give students the ability to investigate, interpret and communicate intelligently in any of the mass media. It will also allow a student to combine honours level work in arts, science, or commerce with professional training in journalism.

Year 5 Requirements for Bachelor of Journalism Program
The OSSHGD with a minimum 65% average, including a language other than English (French is recommended).

Bachelor of Music
Honours program:
A four-year program from senior matriculation designed principally to promote an intellectual and aesthetic understanding of music as an expression of human cultural activity with a limited applied music option. The study of musical history and of the techniques and materials of musical creation will form the basis of all study.

Year 5 Requirements for Bachelor of Music Program
The OSSHGD with a minimum of 65% average. It is expected that students entering the B. Mus. program would have Level V Music, the appropriate Level of Conservatory Music, or both.

Bachelor of Commerce
A four-year honours program with some specialization in economics, accounting and finance, quantitative methods or labour and industrial relations.

Year 5 Requirements for Bachelor of Commerce Program
The OSSHGD with a minimum 65% average including functions and calculus.

Bachelor of Engineering
Four years, including three years of foundation studies in mathematics, physics, chemistry and engineering sciences and one year of specialization in civil, electrical or mechanical engineering.

Year 4 Requirements for Bachelor of Engineering Program
The OSSGD with a minimum 65% average and including an appropriate preparation in mathematics, chemistry and physics. A minimum of 10 credits must be presented in the advanced or enriched phase at levels 3 and 4.

Year 5 Requirements for Bachelor of Engineering Program
The OSSHGD with a minimum 60% average and including functions, calculus, chemistry and physics.

A student unable to meet the specific course requirements above, but otherwise admissible to Carleton University, may be admitted to the first year but will be required to satisfy the outstanding requirements at the qualifying university year level.

Bachelor of Architecture
A five-year program leading to a Bachelor of Architecture degree, and offering a highly varied experience for the student in lectures, seminars, library, studios, and workshops.

Year 5 Requirements for Bachelor of Architecture Program
The OSSHGD with a minimum 60% average and including functions, calculus and physics.

Bachelor of Industrial Design
A four-year program completely integrated with both the engineering and architecture programs for the first two years, followed by industrial design projects and experience in industry.

Year 5 Requirements for Bachelor of Industrial Design Program
The OSSHGD with a minimum 60% average and including functions, calculus, chemistry and physics.

Bachelor of Science
Major program:
Three years. Available in biology, chemistry, geology, mathematics, physics.

Honours program:
Four years with an average of 65% required for honours program. Available in bio-chemistry, biology, chemistry, computing science, geology, mathematics, physical geography, physics, psychology.

Combined honours:
Available in biology-geology, chemistry-geology, geology-physics, mathematical sciences-computer mathematics, mathematics-physics.

Integrated science studies:
A major or honours program designed for those students who wish to develop an understanding of the scientific method, and at the same time to acquire a knowledge of the humanities, social sciences or certain selected parts of engineering.

Year 4 Requirements for Bachelor of Science Program
The OSSGD with a minimum 65% average and including an appropriate preparation in mathematics, chemistry and physics. A minimum of 10 credits must be presented in the advanced or enriched phase at levels 3 and 4.

Year 5 Requirements for Bachelor of Science Program
The OSSHGD with a minimum 60% average and including functions, calculus and two experimental sciences. While biology, chemistry, geology and physics are the subjects normally accepted as sciences, the university will consider other courses on an individual basis. Prospective students should note that, while only a 60% general average is required for admission, they should have at least 60% or third class honours in the mathematics and science subjects offered.

Library
As of February 1976, the library's collection contained 845,486 volumes and 210,457 other items.

Fees
Full-time students
Arts, commerce, journalism, science $700
Engineering, industrial design, architecture $760

Part-time students (per subject)
Degree programs $136.70
Non-degree programs $136.70

Residence fees including meals (1976-77 approximate)
Single rooms $1,650
Double rooms $1,532

Further Inquiries
Inquiries about admission should be directed to
Office of Admissions
Carleton University
Colonel By Drive
Ottawa, Ontario K1S 5B6

Inquiries about student awards and loans should be directed to
Mrs. A. T. Loates
Student Awards Office
Carleton University
Colonel By Drive
Ottawa, Ontario K1S 5B6

Telephone (613) 231-3735

Inquiries about university information programs for secondary schools should be directed to
High School Liaison Officer
Administration Building, Room 204
Carleton University
Colonel By Drive
Ottawa, Ontario K1S 5B6
Telephone (613) 231-2738
(Collect calls accepted)

University of Guelph

Guelph

President: Donald F. Forster

The University of Guelph has emerged as a unique educational and research centre. Over the last 100 years the Guelph campus has achieved world wide recognition for undergraduate and graduate programs in agricultural science, veterinary medicine and household science. Since the founding of the university in 1964, programs have been added in arts, social sciences, biological sciences, family and consumer studies, physical sciences, human kinetics, hotel and food administration, landscape architecture and engineering.

The close association of scholars from many disciplines affords the University of Guelph an unusual opportunity to offer interdisciplinary degree programs, and to carry out research and study projects in multi-disciplinary fields.

The University of Guelph has achieved a vibrant equilibrium between traditional and avant-garde, urban and rural. Traditional buildings, concrete structures and greenery create a pedestrian oriented campus. Construction of facilities has kept pace with rapidly growing student numbers, providing the campus with modern residences, classrooms and well-equipped laboratories for research. The university plans to level off undergraduate enrolment at about 10,000 in order to maintain a moderate size.

Located on the southern edge of Guelph, the university's 1,100-acre campus borders residential areas to the north and farmland to the south. Academic buildings are conveniently grouped together along several pedestrian walkways. Surrounding the academic core, three main residence areas provide accommodation for more than 4,000 students. A townhouse development for married students houses 140 families in a wooded setting which is about a 15-minute walk from the centre of campus.

As a new institution, the University of Guelph explores alternatives to the traditional university experience. The three-semester system, for example, utilizes facilities for 11 months of the year — from September through July.

In most degree programs, students may attend one, two or three semesters a year, and may choose to accelerate or to alternate work and study periods. Entry points are in September, January and May. Under a special spring admissions plan, Ontario year 5 students may, with their principal's recommendation, start in May directly from secondary school.

Enrolment 1975-76
Full-time student equivalent 10,810

Academic Administrative Units
College of Arts
College of Biological Science
College of Family and Consumer Studies
College of Physical Science
College of Social Science
Ontario Agricultural College
Ontario Veterinary College
Faculty of Graduate Studies
Office of Research
School of Agricultural Economics and Extension Education
School of Engineering
School of Hotel and Food Administration
School of Landscape Architecture
School of Physical Education
Centre for Educational Disabilities
Centre for International Programs
Centre for Resources Development
Institute of Computer Science
Office of Continuing Education
Food Industry Research Institute

General Admission Requirements for 1976-77
Applicants should qualify for the Ontario Secondary School Honour Graduation Diploma with standing in specific year 5 subjects as required by the particular degree program.

Innovations in Secondary School Subjects
The university will consider for credit courses regarded as innovations in the Ontario secondary school system, if they are approved by the Ontario Ministry of Education.

Fall Semester Admission
Studies begin in September. Fall semester admission to all programs may be granted to candidates who satisfy in full the general entrance requirements.

Winter Semester Admission
Studies begin in January. Under an agreement with the Ontario Ministry of Education, the University of Guelph admits to the first semester of the degree programs in arts, science, engineering, and agriculture, a number of students of promising scholastic ability. These students are admitted directly from secondary school and commence study at the university in early January. Candidates who have delayed entry to the university, for various reasons, may also apply at this time. Admission may only be granted to candidates who satisfy in full the general program entrance requirements. The university will grant the University of Guelph Matriculation Certificate should the student not be eligible to receive the Ontario Secondary School Honour Graduation Diploma.

Spring Semester Admission
Studies begin in May. Spring admission to the arts, science, agricultural science and family and consumer studies programs may be granted to candidates who satisfy the general entrance requirements above and who are enrolled in year 5 for the first time and have an estimated minimum average of 64%. Students accepted under the Spring Admission Plan are granted the Ontario Secondary School Honour Graduation Diploma or the University of Guelph Matriculation Certificate. The OSSHGD will only be granted when students can arrange a suitable timetable with the principal of their school to complete the required credit hours prior to spring semester registration.

Early Acceptance
(Acceptance for September on the date agreed to by the Ontario Universities Council on Admissions. See pages 67). Early acceptance to all programs may be granted to candidates who satisfy in full the general entrance requirements and who are enrolled in year 5 for the first time and have an estimated minimum average of 60%.

Application Procedure
Candidates planning to enrol in the spring or fall of 1977 will submit an application through the Ontario Universities' Application Centre (see pages 66-67).

•Degree Programs and Subject Requirements

Bachelor of Arts
Common first year:
Semesters one and two are taken in common by both honours and general students. Thus, the selection of a final program may be delayed until the third semester.

General program:
Six semesters. Students may choose one of two patterns of study: area of concentration (six semester courses in each of three subjects) or a major (minimum of ten semester courses in one subject).

Some of the following subjects may be available as a major, but not as an area of concentration; similarly, some may be available as an area of concentration, but not as a major (refer to the calendar for full details): animal science, Asian studies, business administration, classical archaeology, classical studies, communication, computing and information science, drama, economics, English, environmental horticulture, family studies, fine art, food science, French, general agricultural science, geography, German, Greek, history, Italian, land resource science, Latin, linguistics, mathematics, music, natural sciences, philosophy, plant science, political studies, psychology, statistics, sociology-anthropology, Spanish.

Honours program:
Eight semesters. Designed for greater specialization, there are three patterns of study which a student may follow: specialized major, specialized minor, or combined honours.

The following subjects may be taken in an honours program (see the calendar for full details): Asian studies, business administration, Canadian studies, classical archaeology, computing and information science, consumer studies, drama, economics, English, environmental studies, fine art, French, geography, German, history, Italian, Latin, mathematics, music, philosophy, political studies, psychology, social science and the development of the Third World, sociology-anthropology, Spanish, statistics.

Minor honours is the only option available in business administration, consumer studies, Canadian studies, and environmental studies.

Minor honours in the development of the Third World is available only to students with minor honours in a social science or history.

Year 5 Subject Requirements for Admission to the Bachelor of Arts Program
Although there are no specific subject requirements, preference will be given to applicants who offer two credits from English, mathematics, or a second language.

Bachelor of Science
Common first year:
Students in the general and honours Bachelor of Science programs take the same basic courses in the first and second semesters. The final selection of a general or a specific honours program may thus be delayed until the third semester.

General program:
Six semesters. This program provides a broad general training in biological science, chemistry, physics and mathematical science.

Honours program:
Eight semesters. The student has the following options: the honours science program (without specialization) which permits study in the natural sciences at a greater depth than in the general program; honours science with major and minor; an honours program which provides for specialization in the physical, biological or food science areas. Specialization is available in biochemistry, biophysics, botany, chemical physics, chemistry, computer and information science, earth science, ecology, fisheries and wildlife biology, food science, genetics, geography, human biology, marine biology, mathematics, microbiology, nutrition and biochemistry, physics, statistics, theoretical physics, and zoology.

Year 5 Subject Requirements for Admission to the Bachelor of Science Program
One credit in mathematics; two credits from biology, chemistry or physics: one additional credit from biology, chemistry, mathematics or physics; two additional credits.

Applicants are advised to include functions and relations and one credit of English in their year 5 program of studies. Applicants who lack one specific year 5 subject requirement but who have a high overall year 5 standing are also encouraged to apply for admission.

Students contemplating admission to the Doctor of Veterinary Medicine Program should include the following courses in their year 5 program of studies: functions and relations, biology, physics and chemistry.

Bachelor of Science in Agriculture
Honours program:
Eight semesters. The program is designed to provide fundamental education in the science of agriculture. The first two semesters feature a common curriculum and students may select a major from one of several areas prior to the commencement of the fourth semester. A major can be chosen from one of the following areas of specialization: agricultural economics and rural development, animal and poultry science, crop science, dairy science, entomology—apiculture, environmental biology, environmental horticulture, horticultural science, microbiology, plant protection, resources management, soil sciences.

The curriculum also provides an opportunity for students to elect, if they so wish, a minor that will complement their selection of a major. Students wishing to concentrate their elective courses in a particular area are advised to consult the schedule of studies for the various minors available in the program.

Minors are available in agri-business studies, extension education, international agriculture, resource economics.

Year 5 Subject Requirements for Admission to the Bachelor of Science in Agriculture Program
One credit in mathematics; two credits from biology, chemistry or physics; one additional credit from biology, chemistry, mathematics or physics; two additional credits.

Applicants are advised to include functions and relations and chemistry in their year 5 program of studies. Applicants who lack one specific year 5 subject requirement but who have a high overall year 5 standing are also encouraged to apply for admission.

Students contemplating admission to the D.V.M. program should include the following courses in their year 5 program of studies: functions and relations, biology, physics and chemistry.

Family and Consumer Studies (Bachelor of Applied Science)
Honours program:
Eight semesters. The program in family and consumer studies provides for flexibility in preparation for a variety of professional careers involving an understanding of families and consumers. Students select one of the following major areas of study: applied human nutrition, child studies, consumer studies, family studies, textiles. Courses in the biological, physical and social sciences provide a background for the courses selected in relation to the students' major area of interest. Students may select their major area of study when entering the program or may choose to enrol in a two-semester sequence which will enable them to select, in the third semester, any one of the five majors.

Year 5 Subject Requirements for Admission to the Bachelor of Applied Science Program
Two credits in mathematics, one credit in chemistry or biology, three additional credits. Applicants are advised to include functions and relations in their year 5 program of studies.

Bachelor of Science in Human Kinetics
Honours program:
Eight semesters. A human kinetic studies program with emphasis in the areas of scientific application to human activity. Science oriented subjects, particularly toward the biological sciences, include anatomy, biology, nutrition, physiology, psychology and sociology. Interdisciplinary subject matter includes kinesiology, exercise physiology, sports medicine and scientific measurement of human performance.

This program provides all of the necessary academic requirements for entrance to a college or faculty of education to qualify for a High School Assistant's Certificate, Type A.

Year 5 Subject Requirements for Admission to the Bachelor of Science (Human Kinetics) Program
One credit in mathematics, two credits from biology, chemistry or physics; one additional credit from biology, chemistry, mathematics or physics; two additional credits.

Applicants are advised to include functions and relations in their year 5 program of studies. Applicants who lack one specific year 5 subject requirement but who have a high overall year 5 academic standing are also encouraged to apply for admission.

Hotel and Food Administration (Bachelor of Commerce)
Honours program:
Eight semesters. This program is of an interdisciplinary nature drawing on courses in the humanities, social sciences, food science, physical and biological sciences. Special emphasis is given to the study of the theories of interpersonal relations, communications, business law, and administration and management courses related to hotel/motel and restaurant operation.

Year 5 Subject Requirements for Admission to the Bachelor of Commerce Program
Two credits in mathematics and four additional credits.

Applicants are advised to include functions and relations and chemistry in their year 5 program of studies.

Bachelor of Science in Engineering
Honours program:
Eight semesters. Students can plan their program of studies around a core of engineering and mathematical courses. Elective courses in the humanities and the social and natural sciences provide a liberal education to suit individual career goals. Systems design projects allow special studies in one of three areas: agricultural engineering, biological engineering, water resource engineering.

Year 5 Subject Requirements for Admission to the Bachelor of Science (Engineering) Program.
Two credits in mathematics and four additional credits.

Applicants are advised to include physics, chemistry and three mathematics courses as part of their year 5 program of studies.

Bachelor of Landscape Architecture
Honours program:
Eight semesters. The first four semesters are largely devoted to basic study in design, architecture, urban planning and the natural sciences. In the final four semesters emphasis is placed on professional courses in parks and recreation, and project design.

Year 5 Subject Requirements for Admission to the Bachelor of Landscape Architecture Program
Two credits from biology, mathematics, physics or chemistry; two credits from English, geography or history; two additional credits.

Applicants are advised to select a program of studies at the secondary school level which will include all or most of the following areas: English, mathematics, art, biology, social science, geography and environmental studies.

Due to the nature of the program, personal interviews and/or special tests are used to assist in the selection of candidates. Applicants are selected for the interviews on the basis of academic performance. A final decision on the admission of the applicant will follow the interview and/or tests.

Doctor of Veterinary Medicine
Eight semesters. Course of study prescribed.

Requirements for Admission to the Doctor of Veterinary Medicine Program in 1976-77.
Candidates for admission to the professional course in veterinary medicine must have successfully completed at least two years of academic work beyond the level of Ontario year 5 in a recognized college or university. Students who present themselves for admission to the D.V.M. program in 1976 will encounter somewhat different course prerequisites and may be admitted to the D.V.M. program either (a) by admission into the pre-veterinary semester of the Bachelor of Science or Bachelor of Science (Agriculture) programs after three or more semesters of university work, or (b) by admission into the first semester of the D.V.M. program after four or more semesters of university work. Candidates in these instances must have completed a minimum of three or four semesters (45 or 60 semester credits) of academic work beyond the level of Ontario year 5 in a recognized college or university. The specific subject matter prerequisites at the respective levels of admission are:

Pre-Veterinary Semester (winter semester only)
Biological science — four semester courses (including one in genetics or microbiology); physics — two semester courses; mathematics — one semester course in calculus; chemistry — three semester courses (including inorganic and organic); humanities and social science — three semester courses.

First Semester D.V.M. (available in fall semester only)
Biological science — four semester courses (including one in microbiology and one in genetics); physics — two semester courses; mathematics — two semester courses (including one in calculus); chemistry — four semester courses (including inorganic, organic, and biochemistry); embryology and histology — one semester course in embryology and one in histology; humanities and social science — three semester courses.

Students wishing to undertake their pre-veterinary study at the University of Guelph should apply to enter either the Bachelor of Science or the Bachelor of Science in Agriculture programs. Interviews are used to assist in the selection of candidates for both the pre-veterinary semester and the first semester of the D.V.M. program. Applicants will be selected for interviews on the basis of their academic grades and the submission of the Background Information Sheet. A final decision on admissibility will be made following the interview. Normally a student in the D.V.M. program will not be required to repeat a course in which credit standing has been obtained in pre-veterinary studies. A further condition of admission to the veterinary program is agreement to a rabies immunization procedure with subsequent titre evaluation.

Associate Diploma in Agriculture
Four semesters: The program is designed to give students an appreciation of science and its application to agriculture. After a common first semester, students specialize in one of four divisions: agri-business, agricultural mechanics, farm operators and managers, or horticulture with an emphasis in fruit and vegetable production or nursery and landscape.

Admission Requirements for Associate Diploma in Agriculture Program
The minimum academic requirement for admission is Ontario year 4 or its equivalent. Applicants must also provide evidence of at least three months' experience in some acceptable type of agriculture or landscaping.

For additional information contact
Director of Diploma Course
University of Guelph
Guelph, Ontario N1G 2W1
Telephone (519) 824-4120 ext. 3010

Library
With 850,000 catalogued volumes and 9,000 current periodical subscriptions in its collection, the library houses open stacks and over 2,225 individual study areas. The library system is extensively automated.

Annual Fees (subject to change)
Tuition fees per semester (full-time students):
Associate Diploma in Agriculture $100
Bachelor of Applied Science $287.50
Bachelor of Arts $292.50
Bachelor of Commerce $287.50
Bachelor of Landscape Architecture $352.50
Bachelor of Science $297.50
Bachelor of Science (Agriculture) $287.50
Bachelor of Science (Engineering) $322.50
Bachelor of Science (Human Kinetics) $295
Doctor of Veterinary Medicine $287.50

Room and Board Fees (subject to change)
Single Student Residence Fees
For all but apartment style residences, fall and winter semesters: $402 for single; $372 for double; $322 for triple; (spring semester $340).

Single Student Residence Fees
For apartment style residences, fall and winter semesters: $432 for single; $402 for double; $352 for triple; (spring semester $370).

Married Students' Townhouses
$190 per month (effective September 1, 1975).

Meal Plans (per semester)
$250 or $310
Students accommodated in all but apartment style residences are required to select one of the above meal plans. These plans are also available to students accommodated in apartment style residences and to those living off campus. A semester for room and board purposes will terminate on the date announced for conclusion of examinations.

Further Inquiries
Admission inquiries should be directed to
Admissions
Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Information and application forms for student awards and loans may be obtained from
Awards
Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Inquiries regarding university information programs for secondary schools should be directed to
Secondary School Liaison Officer
Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Inquiries regarding campus visits for secondary school students should be directed to
Admissions
Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Telephone (519) 824-4120

Lakehead University

Thunder Bay

President: A. D. Booth

Lakehead University, one of the newest universities in Ontario, granted its first degrees in 1965. It evolved from the Lakehead Technical Institute, established in 1946, which later became known as the Lakehead College of Arts, Science and Technology. In 1957, the college moved to its present campus site, overlooking the former cities of Port Arthur and Fort William, now Thunder Bay.

In 1965, the college received university status and an extensive building program was begun which has transformed the small core of buildings into the present imposing $40,000,000 campus. Facilities now include a 600-bed residence village; a superbly equipped science and technology complex; a university centre with theatre, cafeterias, student lounges, shopping mall, and student offices; a six-storey, 1,000-seat library; and a sophisticated computer centre equipped with an IBM 360/50 computer. The Tim Ryan Memorial Academic Building and an Olympic length swimming pool, both completed in the fall of 1972, have greatly enhanced the academic and athletic capabilities of the university.

Lakehead University reaches out beyond traditional boundaries, making spring, summer and part-time study available on campus and carrying post-secondary study to the far-flung communities of northwestern Ontario.

The university is striving to create a unique educational experience based on a close student-faculty relationship and yet offering all the challenge and scope of Ontario's vast northwestern region. It is young in both history and heart; through innovation Lakehead is creating its traditions.

Enrolment 1975-76
Full-time 2,650

Faculties and Schools
Faculty of Arts
Faculty of Education
Faculty of Science
School of Business Administration
School of Engineering
School of Forestry
School of Library Technology
School of Nursing
School of Physical and Health Education

General Requirements for Admission in 1976

Degree Programs
The standard for admission to a degree program at Lakehead University is the successful completion of any Ontario year 5 program (or equivalent) embracing at least three distinct subject areas, acceptable to the university as satisfying the entrance standards. The overall average must be at least 60%. In addition to obtaining this general level of academic maturity, the candidates will be required to include in their matriculation programs subjects that interlock directly with their planned university majors. These specific requirements are noted in the university's calendar.

Diploma Programs
Admission to diploma programs is based upon successful completion of an Ontario year 4 program (or equivalent) which would allow the student to proceed to a full Ontario year 5 program. The overall average must be at least 60%. Certain diploma programs also require specific subjects at the year 3 and 4 level for admission.

Applicants with high standing in level 4, year 4 programs will be considered on an individual basis. All other applicants to diploma programs, with special circumstances, will be considered on an individual basis. Please note that Ontario students applying for admission to engineering technology programs out of year 5 will be considered for the second year of the program if they meet the subject requirements for admission to the first year of the applied science degree program.

Special Consideration
An applicant who lacks a specific required subject for his or her planned program or major may be considered if the level of achievement in associated subjects is substantially better than average. Each student in this category is considered on an individual basis.

Extraordinary Admission
The university is prepared to consider applicants for admission who have been away from formal education for at least two years, at any time because of reasons beyond their control. Applicants will likely be interviewed by an Admissions Committee representative, and may be required to provide evidence of their proficiency in English. Each case is considered on its own merits.

Admission to First Year University from Year 5 (February)
In 1975 Lakehead University began offering courses in arts and science at first year university level from February to the end of April. The program allows completion of three full credits and students may continue into summer school to complete the remaining two first year credits. This program was designed primarily to suit the needs of students graduating at the end of January from semestered high schools.

Admission to First Year University from Year 4
The university is prepared to consider exceptional year 4 students who attain an average of 80% and are recommended by their principal or school counsellor for entrance to first year of an appropriate degree program. Applicants admitted to first year of science and/or engineering will normally be required to take a mathematics course during the summer session.

Admission to One University Course as a Special Student
The university is prepared to consider qualified students for admission to degree studies, without the usual high school requirements. The basis of admission will be the student's performance in a suitable Lakehead University course, taken as a deferred credit, while the student is still in high school.

Early Admission
Ontario year 5 students who apply early and who have maintained at least third class standing through years 3 and 4 and mid-term year 5 will be considered for early admission. All students who apply early are advised before the end of their school year in regard to their admission status. Early admission consideration will also be extended to year 4 students who apply for admission to diploma programs.

•Degree Programs and Subject Requirements

Faculty of Arts

Degrees offered:
Bachelor of Arts, B.A. (Geography), B.P.E. (Outdoor Recreation — four years), Honours Bachelor of Arts, Honours Bachelor of Social Work (four years), Master of Arts.

Available majors in the three-year Bachelor of Arts degree: anthropology, anthropology (Taiga studies), economics, English, English (Canadian studies), English (theatre arts), French, general program, geography, history, mathematics, philosophy, political studies, psychology, sociology, Spanish.

Majors available in the four-year Honours Bachelor of Arts Degree: anthropology, economics (industrial relations), economics, English, English and French, French, geography, history, mathematics (computer science or applied mathematics option), philosophy, political studies, psychology, sociology.

Admission Requirements for 1977
Admission into the Bachelor of Arts program in 1977 will require satisfactory completion of any Ontario year 5 program embracing at least three distinct subject areas. For example, English, geography, and mathematics; or English, history and another language, etc. The overall average must be at least 60% and at least one year 5 English credit must be included in the program. Certain majors in the Faculty of Arts also require specific year 5 prerequisites, for example, mathematics and the languages.

Faculty of Science

Degrees offered:
Bachelor of Science, Honours Bachelor of Science, Master of Science.

Integrated Science Program
In 1975 Lakehead University began offering a unique science program at first year university level from February to the end of April. It carries a three credit equivalent and consists of 12 weeks of lectures and laboratories followed by a week of field work. The additional two credits required to complete the usual total of first year credits may be taken in summer school. This program was designed primarily to suit the needs of students graduating at the end of January from semestered high schools.

Majors available in the three-year Bachelor of Science program: biology, biology and chemistry; biology and geography; chemistry; energy and fuel science; general program; geography; geology; liberal science; mathematics; natural science; physics.

Majors available in four-year Honours Bachelor of Science program: biology; chemistry; geography; geology; geology and biology; geology and chemistry; geology and physics; geology and economics; mathematics (applied mathematics option, computer science option); mathematical physics; medical laboratory science; physics.

Admission Requirements for 1977
Admission into a Bachelor of Science degree program at Lakehead University in 1977 will require satisfactory completion of any Ontario year 5 program embracing at least three distinct subject areas, preferably in the sciences, for example, mathematics, physics and chemistry. Some majors in the faculty do require certain year 5 prerequisites, for example, mathematics. Students considering a science program should include in their secondary school program a pattern of subjects consistent with their planned university majors.

Applicants to the general program and liberal science program, however, will be eligible for admission consideration without normal year 5 science requirements. The medical laboratory science program is a post registered technologist's program and requires registered technologist's certification (R.T.) and standing in first year university mathematics and chemistry for admission.

Faculty of Education

Degrees offered:
Bachelor of Arts-Bachelor of Education, Bachelor of Science-Bachelor of Education, Bachelor of Education, Master of Education.

The following professional four-year degrees are offered for teachers: a degree program for elementary school teachers (Certification Standard 4) leading to a B.A.-B.Ed. (Elementary) or B.Sc.-B.Ed. (Elementary); and a degree program for secondary school teachers (Type B or Type A Certification) leading to a B.A.-B.Ed. (Secondary) or B.Sc.-B.Ed. (Secondary). The equivalent of one year of professional studies and practice will provide the basis of certification in all programs.

The following majors are available to B.A.-B.Ed. candidates: English, French, geography, history, mathematics. The following majors are available to B.Sc.-B.Ed. candidates: biology, chemistry, geology, mathematics, physics.

Students with two years in arts or science are eligible for admission consideration into a B.A.-B.Ed. or B.Sc.-B.Ed. degree program with advanced standing.

Lakehead University also offers a one-year Bachelor of Education degree program for holders of approved degrees qualifying the candidate for secondary school teaching or elementary school teaching.

Through consultation with the Dean, candidates may also arrange a choice of options and student teaching to qualify for both an Elementary School Teacher's Standard 4 Certificate and Type B Secondary School Certificate (combined program).

Admission Requirements for 1977
Admission into the Faculty of Education four-year double professional degree program will be the same as admission to any other degree program at the university (the same as arts or science).

University Schools

Admission into the following degree programs will require successful completion of a full year 5 program with certain year 5 prerequisites.

Honours Bachelor of Commerce
Four years. The applicant's year 5 program must include English and mathematics. Applicants without mathematics will be considered, though they may, if admitted, be required to take a non-credit mathematics course.

Bachelor of Administration
Three years. The applicant must hold a full year 5 program consisting of six credits. Majors are available in accountancy, banking, health services, and personnel and labour relations.

Bachelor of Engineering (Post-Diploma)
Two years. The applicant must hold a diploma in technology from a college of applied arts and technology, Ryerson Polytechnical Institute, Lakehead University or its equivalent. Preference will be given to applicants with experience in industry.

Please note that year 5 applicants who are eligible for entrance to second year of engineering technology may continue at Lakehead, receiving an engineering degree after four successful years of study. Year 4 applicants enter first year, receive a diploma after three years and may obtain an engineering degree after two further years of study.

Applicants who fail to meet the above requirements will be considered on an individual basis.

Bachelor of Applied Science
First year only. The applicant's year 5 program must include mathematics (three credits: functions and relations, calculus and algebra, or equivalent), chemistry and physics.

Honours Bachelor of Science in Forestry
Four years. The applicant's year 5 program must include mathematics (relations and functions and calculus) and chemistry. Biology is recommended.

Honours Bachelor of Science in Nursing
Four-year basic: applicants must include year 5 chemistry and biology in their programs. English is recommended. Three-year post-diploma: the applicant must hold university entrance requirements including year 5 chemistry (or equivalent) taken within the past five years, or qualify under mature student regulations. The applicant must also have graduated from an approved School of Nursing and provide evidence of current registration or licensure to practice nursing in a province or state.

Honours Bachelor of Physical and Health Education
Four years. The applicant's year 5 program must include English and chemistry. Applicants without year 5 chemistry will be considered on an individual basis and, if accepted, must take chemistry 1060 in first year.

•Diploma Programs Offered

Admission to diploma programs will be based on successful completion of an Ontario level 5 year 4 program (or equivalent) which would allow the student to proceed to a full Ontario year 5 program. The overall average must be at least 60%. Certain diploma programs will also continue to require specific subjects at the year 3 and 4 level for admission.

Applicants with high standing in level 4, year 4 programs will be considered on an individual basis. Programs available include: business administration (three years) — applicants must have standing in years 3 and 4 mathematics.

Engineering technology (three years) with specialization in chemical, civil, electronics or mechanical engineering technology — applicants must have standing in years 3 and 4 mathematics and sciences. Applicants with a full year 5 or equivalent will be admitted to second year of the technology program if they have achieved an overall average of 60% in six subjects and a minimum 60% in mathematics. The six subjects should include year 5 physics, chemistry, three credits in mathematics, and one additional elective. Please note that year 5 applicants who are eligible for entrance to second year of the engineering technology program may continue at Lakehead University, receiving an engineering degree after four successful

years of study. Students from year 4 enter first year and receive a diploma in technology after three years and may obtain an engineering degree after two further years of study.

Forest technology (two years) — applicants must have standing in years 3 and 4 mathematics and sciences. Certificate in environmental forest technology — one year after successful completion of a two-year post-secondary school program in forest technology with year 5 chemistry or equivalent (not offered in 1977-78). Timber harvesting technology — one year after successful completion of a two-year post-secondary school program in forest technology or the equivalent as determined by the Admissions Committee (not offered in 1977-78). Library technology (two years) — admission is based on evidence of a general level of academic achievement to the Ontario year 4 level.

Library
A six-storey, open stack, 1,000-seat library building holds 215,000 accessioned and catalogued volumes of books and bound periodicals, and over 2,000 volumes of unbound periodicals.

Annual Fees
September 1976-April 1977

Degree Programs
Arts (including concurrent education, outdoor recreation resources studies, social work and make-up years) commerce and nursing $615
Applied science $670
Engineering $670
Forestry $625-675
Science (including concurrent education, medical laboratory science and make-up years) $625
Physical and health education $615-630
Education degree, B.Ed. (one-year program) $615

Diploma programs
$350-400

Residence Fees
Single room, $1,497; double room, $1,418

Further Inquiries
Inquiries about admission requirements should be directed to
P. A. Paularinne
Assistant Registrar, Admissions
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 527

Inquiries about secondary school liaison should be directed to
Mrs. S. de Haas
Secondary School Liaison Officer
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 749

Information and application forms for student awards may be obtained from
J. W. Kerr
Dean of Students
Lakehead University
Thunder Bay, Ontario P7B 5E1

Laurentian University

Sudbury

President: E. J. Monahan

Laurentian University was founded in 1960 as a bilingual institution. Its campus, a 10-minute drive from downtown Sudbury, extends over 700 acres of rugged and scenic bushland touching on five lakes. The striking buildings dominate the countryside.

Laurentian is one of the few universities in Canada to have a planetarium, a museum and arts centre. The residences of Huntington, Thorneloe and Sudbury Colleges provide accommodation for 400 students. The Laurentian University residence complex includes University College Residence accommodating 250 students, a single student apartment building accommodating 394 students and a married student high-rise tower with 129 apartments.

Pledged to the maintenance and promotion of both the English and French languages and cultures, Laurentian offers most of the arts courses and some of the science courses in both languages. The academic program of its School of Translators and Interpreters and its sports administration program are unique to Canada.

Three colleges in northern Ontario are affiliated with Laurentian: Algoma in Sault Ste. Marie, Nipissing in North Bay, and Collège de Hearst, Hearst.

Enrolment 1975-76
Full-time (all campuses) 2,830

Faculties and Schools
School of Commerce and Administration
School of Education
School of Engineering
School of Graduate Studies
School of Nursing
School of Physical and Health Education
School of Social Work
School of Translators and Interpreters
Faculty of Humanities
Faculty of Professional Schools
Faculty of Science
Faculty of Social Sciences

General Requirements for Admission
Minimum of three subjects — six credits, or five courses with a 60% average at the Ontario year 5 level, or the equivalent. Students enrolled in new programs will be given individual consideration. Asterisk (*) denotes that a petition for variance may be initiated with the Admissions Office.

Early Admission
Early confirmation of final admission will be granted to students who have, in the opinion of the Admissions Committee, a satisfactory academic background. This acceptance is conditional upon the satisfactory completion of year 5.

•Degree Programs and Subject Requirements

Bachelor of Arts
General degree:
Three years including 15 full courses, normally five courses each year. A concentration (five full courses in one subject taken over three years) is possible in anthropology, economics, English, français, French, geography, German, history, Italian, mathematics, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish. Native studies and Canadian studies are interdisciplinary programs.

Honours degree:
Four years, to include 20 full courses, at least eight of which will be honours courses.

Year 5 Subject Requirements for Bachelor of Arts Program
English or français.

Honours Bachelor of Commerce
Four years of study, 20 full courses. An honours Bachelor of Commerce in sports administration is an interdisciplinary program offered jointly by the School of Commerce and Administration and the School of Physical and Health Education.

*Year 5 Subject Requirements for Bachelor of Commerce Program**
English or français and year 5 level mathematics. Commencing in 1977-78, two year 5 level mathematics courses will be required.

Bachelor of General Science
Fifteen courses, comprised of general science, non-science, and electives, are required. Considerable flexibility exists so that various emphases or themes can be designed to accommodate different student needs.

Year 5 Subject Requirements for Bachelor of General Science Program
English or français.

Bachelor of Science
General degree:
Three years of study including 15 courses, normally five courses each year. A concentration is possible in biology, chemistry, geology, mathematics, physics.

Honours degree:
Four years, 20 full courses must be completed, including at least eight honours courses.

*Year 5 Subject Requirements for Bachelor of Science Program**
Calculus, chemistry, plus two of biology, physics, geology and mathematics other than calculus. (Recommended subjects: chemistry, physics, two mathematics, and one other science credit).

Bachelor of Science in Nursing
A four-year program preparing the graduate to begin the practice of professional nursing, both in general and specialized hospitals and in community health agencies. In addition, this program lays the foundation for graduate study leading to teaching, administration, research and clinical specialization.

Year 5 Subject Requirements for Bachelor of Science in Nursing Program
English or français, chemistry and biology.

*Petitions for variance may be initiated with the Admissions Office

Honours Bachelor of Physical and Health Education
A four-year program with a curriculum designed to provide a sound background in physical and health education.

Year 5 Subject Requirements for Bachelor of Physical and Health Education Program
English or français.

Bachelor of Social Work (Honours)
A four-year program with the study of social work beginning in the first year. Limited enrolment.

Year 5 Subject Requirements for Admission to Bachelor of Social Work (Honours) Program
English or français.

Honours Bachelor of Science in Language
A four-year program to train translators for posts in Canada and abroad with the Canadian government, Canadian industry, and with various international organizations in America and Europe.

Year 5 Subject Requirements for Honours Bachelor of Science in Language Program
English (minimum average 66%), French or français (minimum average 66%). A third language is strongly recommended.

Education
The School of Education offers a one-year program leading to the certification of French-speaking teachers for the elementary French language classes in Ontario schools.

Year 5 Subject Requirements for Admission to the School of Education
Français and English or anglais.

Engineering
Instruction is presently offered in the first and second year of a four-year course, leading to the first professional degree in chemical, metallurgical, civil, mechanical and mining engineering.

Year 5 Subject Requirements for Engineering Program
Mathematics (calculus), mathematics (introductory analytical geometry and algebra),* chemistry, physics.

Library
The library's collection includes 400,000 volumes and 4,000 periodicals.

Annual Fees 1976-77
Tuition and incidental fees
Full-time students $682.50

Residence 1975-76
Single room $750
Double room $600-$650
Apartments for married students $134 per month
Meals are available on a cash basis or a meal card may be purchased.

Further Inquiries
Information and application forms for student awards may be obtained from
R. Woloszczuk
Director of Student Affairs, Awards
Laurentian University
Sudbury, Ontario P3E 2C6
Telephone (705) 675-1151

Inquiries about admission requirements and requests for more general information should be directed to
Miss Shirley Vincent
Admissions Officer
Laurentian University
Sudbury, Ontario P3E 2C6
Telephone (705) 675-2280

D. St. Jules
Secondary School Liaison Officer
Laurentian University
Sudbury, Ontario P3E 2C8
Telephone (705) 675-2280

Algoma University College
Sault Ste. Marie

Principal: D. Watkins

Algoma University College is a non-sectarian liberal arts college in affiliation with Laurentian University. The college, which has been operating since 1967, is housed in Shingwauk Hall and several adjoining buildings on a 37-acre site overlooking the St. Mary's River. Associated with the college on campus is the Algoma Conservatory of Music, offering lessons and classes leading to the A.R.C.T. and teacher's diploma levels. The college operates a part-time program wholly integrated with the full-time program, and also extensive intersession and summer school programs.

Admission Requirements
Same as for Laurentian University, Sudbury.

• Programs Offered
Algoma University College offers the full three-year general Bachelor of Arts program and a new three-year interdisciplinary program in life sciences and environmental studies. In addition, the college offers the first year of the Bachelor of Science, the first two years of the Bachelor of Social Work and Bachelor of Commerce programs.

Library
80,000 volumes; 1,000 periodical titles. Recently completed is a new library wing which will house 100,000 volumes. Renovations have provided for an improved bookstore, coffee shop and student lounge facilities. The college operates a day nursery on campus for children of students and faculty.

Scholarships
The college offers attractive entrance and continuing scholarships for full-time students, and has a bursary program for part-time students.

Tuition 1976-77
All students, $125 per course.

Further Inquiries
Information regarding entrance requirements and academic programs may be obtained from
Office of the Registrar
Algoma University College
Shingwauk Hall
Sault Ste. Marie, Ontario P6A 2G4
Telephone (705) 949-2301

Information on other aspects of the college and its services may be obtained from
Public Relations Officer
Algoma University College
Shingwauk Hall
Sault Ste. Marie, Ontario P6A 2G4
Telephone (705) 949-2301

Nipissing College
North Bay

President: G. J. Zytaruk

Nipissing College is a liberal arts college affiliated with Laurentian University of Sudbury. The college began operations in 1966 and in the fall of 1972 it moved into new facilities at the North Bay College Education Centre. The new 720-acre campus is unique as it accommodates Nipissing College and Canadore College of Applied Arts and Technology. Central facilities, including library, cafeteria, gymnasium, bookstore and student residences, are shared.

In September 1973, North Bay Teachers' College was integrated with Nipissing College and became the Faculty of Education of the college.

General Requirements for Admission
Candidates currently in Ontario year 5 should apply through their high school using the general application form. Applications received by the date announced on the application form will be given early consideration. All other candidates should write to the Office of Admissions, giving details of their previous academic work. Petitions for variance may be initiated with the Admissions Office.

Bachelor of Education
Proof of graduation with an approved degree from an accredited university. Birth certificate and proof of freedom from active tuberculosis.

• Degree Programs and Subject Requirements

Bachelor of Arts
The general Bachelor of Arts degree is usually taken in three years. It consists of 15 courses including five in an area of concentration and three in an area of continuation. No more than eight first year courses may be contained in the full program. Concentrations are offered in English, français, geography, history, psychology and sociology.

Bachelor of Education
The Faculty of Education offers a one-year consecutive program leading to a Bachelor of Education degree. This program prepares candidates for teaching in the elementary schools of Ontario and meets the requirements of the Ministry of Education for the Elementary School Teacher's Certificate, Standard 4, which is valid up to and including year 2 of secondary school.

Other Programs
As well as the Bachelor of Arts and Bachelor of Education degrees, Nipissing College offers parallel first year programs in B.S.W. (Bachelor of Social Work), B.Sc. (Bachelor of Science), and the first two years of a B.Com. (Bachelor of Commerce).

Library
65,000 volumes; 460 periodical titles.

Housing
The student residence, which accommodates 300 students, is built as 50 apartments in the style of townhouses. Each townhouse accommodates six students. Each student has his/her own bedroom and built-in study area. A kitchen and living room are shared.

*Petitions for variance may be initiated with the Admissions Office

Annual Fees
Tuition — full-time students $665
Residence — meals excluded $720-742

Further Inquiries
Information regarding entrance requirements and academic status may be obtained from
Registrar
Nipissing College
P.O. Box 5002
Gormanville Road
North Bay, Ontario P1B 8L7
Telephone (705) 474-3450

Inquiries about financial assistance, housing or facilities should be sent to
Information and Student Awards Officer
Nipissing College
P.O. Box 5002
Gormanville Road
North Bay, Ontario P1B 8L7
Telephone (705) 474-3450

McMaster University

Hamilton

President: Arthur N. Bourns

Neither small nor yet a multiversity, McMaster began in the last century as a Baptist theology school in Toronto.

Since moving to Hamilton in 1930, McMaster has become non-denominational, grown to number 40 buildings, and introduced new programs in business, health sciences, social work, music, nuclear science, and engineering, to mention only a few.

The Faculty of Business and the Faculty of Engineering, whose individual programs are well recognized, have recently established a joint program to meet the special demands of modern industry and commerce. The Faculty of Medicine has, in a very few years, earned an international reputation for its imaginative system of medical education. The School of Nursing shares with Medicine the excellent facilities for training and service that are located in the university's Health Sciences Centre. The School of Social Work has developed a broad community involvement that assures a variety of career opportunities to its students. The School of Physical Education is housed in a modern and well equipped complex which includes several gymnasia and an Olympic-length swimming pool.

One of Ontario's medium size universities, McMaster combines the intimacy of a small university with the range of opportunities of the larger institutions. Students at McMaster enjoy easy contact with the faculty and find many opportunities to make close friendships, especially in the newly renovated student centre, Hamilton Hall, with its brightly colored lounges and clubrooms.

The university's residences offer a wide choice of accommodation which include separate facilities for men and women, a co-educational residence and a new apartment-style building. The residences are situated above the beautiful Royal Botanical Gardens where hundreds of acres of park lands provide an attractive backyard for the university.

McMaster is located in an established residential area of Hamilton, a vigorous city which has undergone a remarkable rejuvenation in recent years. Students will find that the centre of the city now boasts a splendid theatre-auditorium which offers an excellent range of musical and dramatic entertainment. The fast-developing Hamilton Philharmonic Orchestra, active little theatre companies, and the promise of a new art gallery, exemplify a city where cultural life thrives and complements the many cultural activities that take place on the university campus.

Enrolment 1975-76
Full-time 10,114

Faculties and Schools
Faculty of Business
Faculty of Engineering
Faculty of Health Sciences
Faculty of Humanities
Faculty of Science
Faculty of Social Sciences
School of Adult Education
School of Graduate Studies
School of Medicine
School of Nursing
School of Physical Education and Athletics
School of Social Work
McMaster Divinity College (affiliated)

General Admission Requirements for 1976-77
Year 4 Requirements
Business 1 requires year 4 English. Physical Education 1 and Social Sciences 1 require mathematics at least to the end of year 4. However, applicants to Physical Education 1 and to Social Sciences 1 who have not been able to comply with this requirement will be considered and should write to the Assistant Registrar (Admissions).

Year 5 Requirements
Applicants for admission must have standing satisfactory to the university in the appropriate area requirements, together with any additional work sufficient to qualify the applicant for the Ontario Secondary School Honour Graduation Diploma

It is strongly recommended that all potential applicants take a senior high school course in English designed to improve their basic reading and writing abilities. Applicants to Humanities 1 and Music 1 must offer level 5 (grade 13) English for admission.
Note: Higher standings may be required of applicants who have taken more than five years to complete the requirements for the Ontario Secondary School Honour Graduation Diploma.

Early Admission
Subject to satisfactory completion of year 5, early admission will be granted to selected applicants who are attempting for the first time all the year 5 credits for admission to a given first year.

Year 5 Requirements for Specific Fields of Study
The university is aware of the variety of experimental programs being offered in Ontario secondary schools and welcomes applicants from these programs. Although it may not be possible for some of these applicants to meet exactly the subject requirements outlined below, they are urged to write the Assistant Registrar (Admissions) who will ensure that careful consideration is given to their individual cases. Humanities 1, Natural Sciences 1 and Social Sciences 1 are broad fields of study in first year leading to a variety of honours and pass programs in the second year. Business 1, Engineering 1, Music 1, Nursing 1 and Physical Education 1 are the first year courses of the programs leading to the Bachelor of Commerce, Bachelor of Engineering, Bachelor of Music, Bachelor of Science in Nursing and Bachelor of Physical Education, respectively.

Area Requirements

Business 1:
Six year 5 credits are required, including mathematics (preferably calculus). In addition, the Faculty of Business will require one credit of level 5 English commencing September 1977.

Engineering 1:
Chemistry, physics, and three credits in mathematics (including calculus).

An applicant from an Ontario secondary school will be eligible for admission to Engineering 1 under one of the following categories:

a) weighted average of 64% in three level 5 (year 5) credits of mathematics, one level 5 (year 5) credit each of physics and chemistry, and an overall average of 64% in six credits offered for the Ontario Secondary School Honour Graduation Diploma
b) weighted average of 70% in six credits offered for the OSSHGD as well as 72% in two credits of mathematics (which should include calculus) at level 5 (year 5). Level 5 (year 5) physics or chemistry are not necessary for admission but must be presented at levels 3 and 4 (years 3 and 4). Further details on this category of admission can be obtained from secondary school guidance departments.

Students admitted under the first category take the Engineering 1 program while those admitted under the second category take a modified Engineering 1 program determined in consultation with the Associate Dean of Engineering.

Humanities 1:
English and a language other than English. Those applicants who lack a level 5 (year 5) language other than English may be accepted for admission on the understanding that they include a language other than English in their first year program. The level of the language course to be taken will be determined by the applicant's background in that subject.

Students intending to take Art 1A6 must submit to the Chairman of the Department of Art and Art History a portfolio to show their interest and ability.

Music 1
Students interested in registering in the music program will need to:

a) complete six level 5 (year 5) credits with an overall weighted average of 60% (English to be included in these six credits), and
b) satisfy the audition requirement which consists of:
   1) performance of two or three varied pieces of the candidate's choice, including one from the 20th century. Required standard at least Grade 9.
   2) ear tests,
   3) short written examination, consisting of rudiments,
   4) viva voce and interview, and
   5) demonstration of basic keyboard skills including scales, chords, harmonization of a simple melody. (Those applicants unable to meet minimum musical standards will be expected to register in a basic keyboard skills course).

Students who lack a level 5 language other than English will be admitted on the understanding that they include a language other than English in first year. The level of the language course to be taken will be determined by the applicant's background in that subject.

Natural Sciences 1:
An applicant from an Ontario secondary school is required to attain a weighted average of at least 60% in six level 5 (year 5) credits and satisfy the following requirements: calculus and two credits from biology, chemistry, physics or mathematics, with a weighted average of at least 60% in these three credits.

Applicants lacking level 5 (year 5) physics must offer at least two level 5 (year 5) mathematics credits for admission.

It is strongly recommended that applicants who intend to proceed to programs in applied chemistry, applied mathematics, applied physics, biochemistry, chemistry, geology, mathematics, metallurgy or physics present additional level 5 (year 5) mathematics credits. It is recommended that students who intend to proceed to a program in biology include year 5 biology.

Nursing 1:
Level 5 (year 5) chemistry, and two of biology, English, another language, mathematics and physics. It is strongly recommended that students entering Nursing 1 complete at least level 4 (year 4) mathematics. This subject will be required in 1977-78.

As places in first year nursing are limited, admission is by selection. To qualify for consideration, applicants from various academic backgrounds are expected to have qualifications equivalent to the requirements outlined. Mature students and students who do not meet these requirements are invited to write to the Assistant Registrar (Admissions).

Physical Education 1:
There are no specific level 5 (year 5) subject areas which are required for admission to Physical Education 1, although it is recommended that one or two of the following sciences be included in level 5: biology, chemistry, physics. Mathematics at least through level 4 (year 4) is required, although applicants who are not able to comply will be considered.

Social Sciences 1:
There are no specific level 5 (year 5) credits required for admission to social sciences. Mathematics at least through level 4 (year 4) is required, although applicants who are not able to comply will be considered.

Applicants who might be interested in concentrating in economics, psychology, or geography from Social Sciences 1 are strongly advised to include mathematics in their level 5 (year 5) programs.

Applicants to Social Sciences 1 (Art) may be asked to submit a portfolio.

• Degree Programs Offered

Bachelor of Arts
Pass program:
Three years. Available in anthropology, art and art history, classical civilization, dramatic arts, economics, English, French, geography, German, history, Italian, Latin, music, philosophy, political science, psychology, religion, Russian, sociology, Spanish.

Honours program:
Four years. Available in the following subjects and combinations of these: anthropology, art and art history, classical civilization, classics, dramatic arts, economics, English, French, geography, German, Greek, history, Italian, Latin, mathematics and philosophy, philosophy, political science, psychology, religion, Russian and another subject, sociology, Spanish.

Within the framework of the political science and religion programs listed above, it is possible to specialize in the following two areas: Asian studies, social/political ideas. The Faculty of Social Sciences has a special integrated studies program in first year to which only 150 students are admitted. Students interested in applying to this course should write to the Dean of Social Sciences Studies, McMaster University, Hamilton, Ontario L8S 4L8.

Bachelor of Science
Pass program:
Three years. Available in biology, chemistry, computer science, geography, geology, mathematics, physics, psychology, science.

Honours program:
Four years. Available in applied chemistry, applied mathematical sciences, applied mathematics and computer science, applied mathematics and theoretical physics, applied physics, applied statistics and computation, biochemistry, biochemistry and chemistry, biology, chemistry, chemistry and geology, chemistry and physics, computer science and mathematics, geography, geography and geology, geology, mathematics, metallurgy and materials science, physics, psychology, statistics.

Major program:
Four years. Available in applied mathematical sciences, applied mathematics and computer science, applied statistics and computation, biochemistry, chemistry, computer science and mathematics, geology, mathematics, metallurgy and materials science, physics.

Bachelor of Science in Nursing
Four years.

Bachelor of Engineering
Four years. Available in ceramic, chemical, civil, electrical, mechanical, metallurgical engineering and engineering physics.

Bachelor of Engineering and Management
Five years. Available in combination with chemical, civil, electrical, mechanical engineering and engineering physics.

Bachelor of Commerce
Honours degree: Four years.

Bachelor of Physical Education
A four-year program leading to the Bachelor of Physical Education degree.

Bachelor of Social Work
A four-year program leading to the Bachelor of Arts and Bachelor of Social Work degrees.

Bachelor of Music
Honours degree:
Four years. Available in history and theory of music and in music education.

Medicine
Three-year program leading to M.D. Open to those with three years of university.

Library
The university library contains some 745,000 catalogued books, periodicals and government documents. It possesses 890,000 microform cards and reels, over 79,000 maps, 1,226,000 pieces of archival material and 6,000 recordings.

The Division of Archives and Special Collections houses rare books, manuscripts and archival material, which afford opportunities for original research. Among the unique holdings are the renowned Bertrand Russell Archives, manuscripts of English and Canadian authors, including those of Anthony Burgess, Margaret Laurence, and Pierre Berton, and a large and significant section of 18th century publications. Of particular interest to students are the papers of some Canadian student organizations, such as the Canadian Union of Students.

Accommodation
There is at present accommodation for 2,343 women and men. The rooms are provided with staple articles of furniture — tables, chairs, beds, mattresses, pillows and all necessary bedding. Resident students are required to supply towels at their own expense.

The services of the infirmary, staffed by graduate nurses, are available to all resident students.

The women's residences are administered by the Dean of Women; the men's residences by the Dean of Men, and the co-educational and apartment-style residences by the Dean of Students.

Residence fees are $1,410 and include room and lunch and dinner, five days per week. Fees for the Bates residence are $844 for a single bedroom apartment, $801 for a three and four bedroom apartment and $871 for six bedroom apartment without meals. The meal plan costs $605.

Annual Tuition Fees 1975-76
(including incidental fees)
(subject to change)
Art and art history $635.50
Arts and social sciences $640.50
Commerce $635.50
Engineering $705.50
Medicine $403.00 (per semester)
Music $645.50
Nursing $630.50
Physical education $645.50
Science $650.50
Social work $635.50

Further Inquiries
Information about admission requirements may be obtained from
Mr. H. D. Bridle
Assistant Registrar (Admissions)
McMaster University
Hamilton, Ontario L8S 4L8

General information about the university may be obtained from
Division of Student Liaison
McMaster University
Hamilton, Ontario L8S 4L8

Information about scholarships may be obtained from
Miss O. Tynowski
Academic Awards Officer
McMaster University
Hamilton, Ontario L8S 4L8

Information and application forms for financial assistance may be obtained from
Mr. D. W. Allaby
Director of Student Financial Aid
McMaster University
Hamilton, Ontario L8S 4K1
Telephone (416) 525-9140

University of Ottawa

Ottawa

Rector: Roger Guindon

In its present form and structure, the University of Ottawa dates from July 1, 1965. Historically its beginnings derive from the College of Bytown, established 127 years earlier, on August 15, 1848, by the Oblate Fathers of Mary Immaculate.

Two provisions in its charter render the university unique among the universities in Ontario, indeed in Canada. Besides the advancement of learning and the dissemination of knowledge, its particular objectives are:

1) to further, in accordance with Christian principles, the intellectual, spiritual, moral, physical and social development of, as well as a community spirit among, its undergraduates, graduates and teaching staff, and to promote the betterment of society;
2) to further bilingualism and biculturalism and to preserve and develop French culture in Ontario.

These ensure the university's continued development as a place of learning with the kind of personality and atmosphere possible only in a genuinely Canadian institution where both the English and French languages, and both cultures, are evident and at work throughout the length and breadth of its campus.

Enrolment 1975-1976
Undergraduate full-time and part-time 15,225
Graduate full-time and part-time 3 313
Total 18,538

Faculties and Schools
Faculty of Arts
Faculty of Education
Faculty of Law (Common Law and "Droit civil")
Faculty of Management Sciences
Faculty of Medicine
Faculty of Philosophy
Faculty of Psychology
Faculty of Science and Engineering
Faculty of Social Sciences
School of Graduate Studies
School of Human Kinetics and Leisure Studies
School of Library Science
School of Nursing

General Requirements for Admission in 1977
Approved year 4 and year 5 subject areas: art, economics, geography, history, languages, music, political science, pure mathematics, pure sciences, religious studies, sociology, theatre.

From Ontario Year 4

Faculty of Arts
Arts:
English or français — one credit; five other credits, of which four must be in the previously mentioned approved subject areas. Also required are a minimum of six credits, 50% per course, and an overall average of 80% on final marks. The year 4 candidate is admitted to the first year of the Faculty of Arts.

Music:
English or français — one credit; five other credits, of which four must be in the previously mentioned approved subject areas. Also required are a minimum of six credits, 50% per course, and an overall average of 65%. Applicants must also pass an audition and written exam. The year 4 candidate is admitted to the first year of the Bachelor of Music (performance option).

Faculty of Science and Engineering
Pre-science year:
English or français — one credit; mathematics — one credit; science (physics 300 and chemistry 400) one credit each; three other credits, of which two must be in the previously mentioned approved subject areas. Also required are a minimum of six credits at the year 4 level, 50% per course, an average of 65% in science-mathematics, and an overall average of 65%.

Faculty of Social Sciences
English or français — one credit; five other credits, of which four must be in the previously mentioned approved subject areas. Also required are a minimum of six credits, 50% per course, and an overall average of 80% on final marks. The year 4 candidate is admitted to the first year of the Faculty of Social Sciences.

•Degree Programs and Subject Requirements

Bachelor of Arts
General or with a concentration:
Three years from Ontario year 5. Available in classical art and archaeology, classical studies, economics, English, French language and literature, geography, German, history, history of art, history of religions, *lettres françaises*, linguistics, mathematics, medieval studies, music, philosophy, photo-cinema, political science, psychology, religious studies, Slavic studies, social communications, sociology, Spanish, theatre, visual arts.

Honours:
Four years from Ontario year 5. Available in applied linguistics, classical studies, English, English as a second language, French language and literature, geography, history, *lettres françaises*, linguistics, mathematics, music, psychology, religious studies, Slavic languages and literatures, social communications, Spanish, theatre, translation, visual arts.

Year 5 Requirements for Admission
An overall average of at least 60% in English or français (one credit), and five other credits of which four must be from the previously mentioned approved subject areas.

Bachelor of Arts (Philosophy)
Honours:
Three years from the first year of a Bachelor of Arts program after Ontario year 5.

Bachelor of Music
Honours:
Four years from Ontario year 5. Available in composition, education, musicology, performance.

Year 5 Requirements for Admission
An overall average of at least 60% in the following subjects: English or français (one credit), and five other credits, of which four must be from the previously mentioned approved subject areas.

Musical Requirements
Candidates will undertake two tests. They will perform, on their major instrument, an audition of 15 minutes to be evaluated by three adjudicators appointed by the Department of Music. They will also take a test to determine the extent of their knowledge in the rudiments of music.

Bachelor of Science in Dietetics
Honours:
Four years from Ontario year 5.

Year 5 Requirements for Admission
An overall average of at least 60% in the following subjects: English or français (one credit), biology (one credit), chemistry (one credit), mathematics — functions and relations (one credit), plus mathematics — calculus (one credit), or one mathematics and physics (two credits), and one other credit from the previously mentioned approved subject areas.

Bachelor of Administration
Three years from Ontario year 5.

Year 5 Requirements for Admission
An overall average of 60% in the following subjects: English or français (one credit), mathematics — functions and relations (one credit), mathematics — calculus (one credit), three other credits of which two must be from the previously mentioned approved subject areas.

Bachelor of Commerce, Bachelor of Management Sciences (with a Major in Operations Research), Bachelor in Public Administration
Honours:
Four years from Ontario year 5.

Year 5 Requirements for Admission
An overall average of at least 60% in the following subjects: English or français (one credit), mathematics — functions and relations (one credit), mathematics — calculus (one credit), and three other credits, of which two must be from the previously mentioned approved subject areas.

Bachelor of Science in Nursing
Honours:
Four years from Ontario year 5.

Year 5 Requirements for Admission
An average of 65% in science courses and an overall average of 60% in the following subjects: English or français (one credit), biology (one credit), chemistry (one credit), and three other credits of which two must be from the previously mentioned approved subject areas.

Bachelor of Physical Education
General: Three years after Ontario year 5.
Honours: Four years after Ontario year 5.

Year 5 Requirements for Admission
An overall average of at least 60% in the following: English or français (one credit), and five other credits, of which four must be from the previously mentioned approved subject areas. A letter of recommendation is required from a person competent in evaluating the promise of success in the given field of studies. Curriculum vitae must be submitted describing experience and reasons for wanting to complete the degree.

Bachelor of Science in Kinanthropology, Bachelor of Science in Recreology
Honours:
Four years after Ontario year 5.

Year 5 Requirements for Admission
An overall average of at least 60% in the following subjects: English or français (one credit), and five other credits, of which four must be from the previously mentioned approved subject areas. A letter of recommendation is required from a person competent in evaluating the promise of success in the given field of studies. Curriculum vitae must be submitted describing experience and/or reasons for wanting to complete the degree. For the Bachelor of Science in Kinanthropology, preference will be given to candidates with credits in mathematics and in science.

Bachelor of Science
General:
Three years from Ontario year 5. Available in physical sciences, life sciences and earth sciences.

Major:
Three years from Ontario year 5. Available in biochemistry, biology, chemistry, computer science, geology, mathematics, mathematics-science, physics, physics-mathematics.

Honours:
Four years from Ontario year 5. Available in biochemistry, biology, chemistry, computer science, geology, mathematics, mathematics-science, physics, physics-mathematics.

Year 5 Requirements for Admission
An overall average of at least 60% and an average of at least 60% in the science and mathematics subjects. Mathematics — functions and relations (one credit), and mathematics — calculus (one credit) or mathematics — algebra (one credit), physics or chemistry (one credit), and three other credits of which two must be from the previously mentioned approved subject areas. All three mathematics and both physics and chemistry are recommended.

Bachelor of Applied Science
Four years from Ontario year 5. Available in electrical, chemical, civil and mechanical engineering.

Year 5 Requirements for Admission
An overall average of at least 60% and an average of at least 60% in the science and mathematics subjects. Mathematics — functions and relations (one credit) and mathematics — calculus (one credit), or mathematics — algebra (one credit) and physics or chemistry (one credit) and three other credits of which two must be from the previously mentioned approved subject areas. All three mathematics and both physics and chemistry are recommended.

Bachelor of Social Sciences
With major:
Three years from Ontario year 5. Available in economics, political science and sociology.

Honours program:
Four years from Ontario year 5. Available in economics, political science and sociology.

Honours program with major and minor:
Four years from Ontario year 5. Majors offered in economics, political science and sociology.

Minors offered in economics, geography, history, mathematics, philosophy, political science, psychology, public administration and sociology.

Year 5 Requirements for Admission
An overall average of at least 60% in six credits from acceptable courses. The student who wishes to specialize in economics must present mathematics — functions and relations (one credit) and mathematics — calculus (one credit).

Bachelor of Education
One year following a recognized bachelor's degree, leading to the Elementary School Teacher's Certificate.

Bachelor of Laws
(Common Law section of the Faculty of Law)
Three years following a minimum of two years of a bachelor's program beyond Ontario year 5 in a recognized university.

Licence en Droit
(Section de Droit civil de la Faculté de Droit)
Trois années après le baccalauréat ès arts ou l'obtention d'un diplôme jugé équivalent.

Combined Bachelor of Laws — *Licence en Droit* Program
A common content of Canadian law subjects makes it possible to combine both programs, enabling students to obtain both degrees in four years.

Doctor of Medicine
Candidates in the following categories are eligible to apply for admission to first year of the four-year M.D. program:

a) students who have completed successfully, in an Ontario university, the first two years of a B.Sc. or a B.A. program, provided it includes at least one year of physics, one year of general and inorganic chemistry, one year of general biology or zoology, and one year of organic chemistry
b) students of other universities who have completed studies equivalent to those listed in (a), provided such studies comply with the regulations of the College of Physicians and Surgeons of Ontario.

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the university.

Residence Accommodation
The student residences on campus are Marchand Hall for men, Stanton Hall for women, Leblanc Hall and Thompson Hall for men and women.

Annual Fees
Pre-science year $597
Medicine $817
Music (Bachelor of Music) $672
Science and engineering $722
All other undergraduate programs $647

Federated University and Affiliated College (in Ontario)
Saint Paul's University, Ottawa
St. Augustine's College of Arts, Toronto

Further Inquiries
Inquiries about undergraduate admission should be directed to
Office of Admissions
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-3930

For information and application forms for student awards, write to
Mr. Michel Leduc
Director
Student Financial Aid Office
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-2484

For information about university programs, write to
Miss M. Danielle Chartrand
Admissions Officer
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-3930

Queen's University

Kingston

Principal: Ronald L. Watts

Queen's was founded by Royal Charter in 1841 as a Presbyterian College and has grown both physically and in reputation to become one of Canada's best known medium-sized universities. Its initial enrolment of 10 students has grown now to include 10,000 full-time students who attend classes on two campuses. The main campus is located close to downtown Kingston, one of Canada's oldest and most historic cities, while the Faculty of Education and Richardson Memorial Stadium are located a mile away on the West Campus. Nineteenth century limestone structures on the main campus harmonize with more modern buildings, some built as recently as last year to accommodate the growing diversity of the university's facilities.

Queen's University has long had a reputation for developing in its students and graduates a deep personal commitment. This is due in part to its modest size and to the fact that the overwhelming majority of students leave their hometown to study at Queen's and become an integral part of the university community by taking up residence on or near the campus.

Student life at Queen's is enriched by an art gallery, films, concerts, special lectures, an international centre, a radio station and a large physical education complex. With more than one million volumes, the library system at Queen's has one of the highest ratios of books per student in Canada.

Enrolment 1975-76
Full-time 10,116

General Requirements for Admission for 1977
In general, applicants must satisfactorily complete a full year of academic work at the year 5 level as certified by the school. No student with an average of less than 60% will be considered for admission but, because of limitations of space, preference will be given to students with the best qualifications.

Students in planning their secondary school programs should note that a number of courses taken in the first university year have secondary school prerequisites. Details may be found in the calendars. Generally, students continuing university work in subjects studied in secondary school are expected to have year 5 or equivalent standing in those subjects.

Early offers of admission are made each year to applicants who have attained satisfactory standing, who are recommended by their principal and who satisfactorily complete year 5. The details of standing required for admission are determined each year and vary among the faculties and schools. Early offers of admission will be withdrawn from students who have failed to complete the year satisfactorily.

•Degree Programs and Admission Requirements

Bachelor of Arts
Three years; 15 courses over the three-year period; includes a minor concentration of five courses in one subject. In some disciplines, one or two prerequisites or co-requisite courses in other disciplines may be required to support a minor concentration. Additional courses to complete the 15 courses required for the degree may be chosen freely by the student, provided the prerequisites for the courses have been met. A minor concentration may be taken in any of the following: art history, biochemistry, biology, chemistry, classical studies, computing and information science, drama, economics, English, film studies, French, geography, geological sciences, German, Greek, history, Italian, Latin, mathematics, music, philosophy, physics, political studies, psychology, religion, Russian, sociology, Spanish. In addition, special interdepartmental programs are offered in the following: health, image of man in modern literature, life sciences.

Bachelor of Arts (Honours)
Four years; minimum of 19 courses arranged in one of the following patterns:
a) major concentration of ten courses in one subject plus electives,
b) two medial concentrations of seven courses in each of two subjects (one must be a humanities or social science) plus electives, or
c) a special field concentration of 14 courses in two or more subjects organized around a particular period, culture, problem or discipline area, plus electives.

a) A major concentration may be taken in one of the following areas: art history, classical studies, drama, economics, English, French, geography, German, Greek, history, Latin, philosophy, political studies, psychology, religion, Russian, sociology, Spanish.
b) Medial concentrations may be taken in the following areas (one must be a humanities or social science): art history, biology, chemistry, classical studies, computing and information science, drama, economics, English, film studies, French, geography, geological sciences, German, Greek, history, Latin, mathematics, music, philosophy, physics, political studies, psychology, religion, Russian, sociology, Spanish.
c) A special field concentration may be taken in one of the following: Canadian studies; classical studies; classics; Commonwealth studies; culture change; French Canadian studies; French language; Greek language and civilization; Latin language and civilization; mediaeval studies; Russian and East European studies; social behaviour; Spanish and Latin American studies, translation.

Requirements for Admission to Bachelor of Arts Programs
Completion of a full year of academic work at the year 5 level as certified by the school. *Note:* For B.A. with a minor or medial concentration in mathematics, applicants must offer two credits in mathematics (chosen from calculus, algebra, and functions and relations). All three are strongly recommended. For the three-year Bachelor of Arts degree with a minor or medial concentration in science, applicants must offer two credits in mathematics (chosen from calculus, algebra, functions and relations) and two credits of biology, chemistry or physics. All three mathematics are strongly recommended for students intending to concentrate in physics or chemistry.

Honours concentrations entirely in mathematics and the natural sciences lead to the degree of B.Sc. (Honours) or B.Sc. (Honours, subject of specialization).

Bachelor of Science (Honours)
Four years; 20 courses. The Bachelor of Science (Honours) program is analogous to the Bachelor of Arts (Honours) program, and may be pursued according to the following patterns:

a) a major concentration of ten courses designated by one department of mathematics or the natural sciences, plus supporting courses and electives, or
b) a 14-course concentration specified by two or more departments of mathematics or the natural sciences, plus supporting courses and electives.

a) A major concentration of ten courses may be taken in one of: biology, chemistry, geography, geological sciences, mathematics, physics.
b) A 14-course concentration may be taken in one of the following: biology and chemistry; chemistry and computing and information science; chemistry and geography; chemistry and geological sciences; chemistry and mathematics; computing and information science and mathematics; computing and information science and physics; physics and mathematics.

Bachelor of Science (Honours, Subject of Specialization)
Four years; 20 courses. This program consists of a highly specialized concentration of up to 18 courses specified by one or more departments, plus supporting courses and electives.

It is available in the following areas: biochemistry, biology, chemical physics, chemistry, geography, geological sciences, life sciences, mathematical physics, mathematics, mathematics and statistics, physics, theoretical physics.

Requirements for Admission to Bachelor of Science Programs
Completion of a full year of academic work at the year 5 level as certified by the school, to include two credits in mathematics (chosen from calculus, algebra, functions and relations), one credit in chemistry and one credit in physics.

a) Biology may be substituted for physics by students entering programs in biology. If year 5 physics is not offered, physics 001 must be taken in the first university year. All three mathematics credits are strongly recommended for students entering chemistry, mathematics or physics.
b) The Bachelor of Science program in mathematics is designed for students who wish to specialize to a high degree in mathematics. A medial concentration in mathematics is available in the Bachelor of Arts program, however, a major concentration is available only in the Bachelor of Science program.
c) Students intending to undertake a Bachelor of Science (Honours) program with a concentration in mathematics or a Bachelor of Science (Honours Mathematics) program with supporting subjects in the arts, commerce or computing and information science may substitute year 5 options for chemistry and physics.

Bachelor of Arts and Bachelor of Physical and Health Education
Combined program:
Four years. Students take 15 arts and science courses as for the three-year Bachelor of Arts program and additional work in courses, seminars, camping and ski schools in the physical and health education portion of the program. Upon successful completion the student is granted the degrees of Bachelor of Arts and Bachelor of Physical and Health Education.

Requirements for Admission to the Combined Bachelor of Arts-Bachelor of Physical and Health Education Program
Completion of a full year of academic work at the year 5 level as certified by the school to include one credit in mathematics and one credit in chemistry. If the school offers physical and health education as a year 5 credit, students are advised to include it in their program.

Bachelor of Art Education
A four-year program of the Department of Art which maintains a balance between studio and academic studies. Enrolment is limited to 30 students each year and the curriculum is designed primarily to ensure a thorough training for those wishing to enter the teaching profession.

Graduates with a B.A.E. degree may obtain an Ontario Ministry of Education Type A Teaching Certificate after completing a fifth year at a recognized university faculty of education.

The curriculum consists of 20 courses. These include the equivalent of 10 courses in studio art involving drawing, painting, sculpture, printmaking, and photography; a minimum of five courses in art history; and five electives.

Requirements for Admission to the Bachelor of Art Education Program
Completion of a full year of academic work at the year 5 or equivalent level as certified by the school. Year 5 art should be included where possible but is not mandatory and assessment for admission rests on interview and portfolio examination as well as on academic record.

Bachelor of Music
A four-year program designed to produce professional musicians with areas of concentration in applied music (performance), history and literature of music, instrumental and choral music in education, and theory and composition of music. Students may also study performance throughout the four years in individual lessons and in large and chamber ensembles. In addition to courses in music, the program also includes a minimum of five academic courses in subjects outside music.

Requirements for Admission to the Bachelor of Music Program
Completion of a full year of academic work at the year 5 level as certified by the school, which may include year 5 music. In addition, the following Royal Conservatory (Toronto) levels are normal requirements:

a) Grade 9 piano; Grade 2 rudiments, or
b) Grade 8 organ; Grade 8 piano; Grade 2 rudiments, or
c) Grade 8 standard orchestral or band instrument, classical guitar, voice, free bass accordion; Grade 6 piano; Grade 2 rudiments.

All candidates are normally required to audition and to take an aural discrimination test provided that distance does not prohibit. Applicants without the specified music requirements but who are experienced as instrumentalists or singers may apply to the Department of Music for a qualifying audition. Such applicants not completing Grade 6 keyboard prior to entering the B.Mus. program must do so, at their own expense, before proceeding to second year.

Engineering
A four-year engineering program offered by the Faculty of Applied Science leading to a Bachelor of Science. The first year is common to all engineering programs with the student taking courses in mathematics, physics, chemistry, geology or biology, engineering graphics and computer programming (Fortran). Prior to the commencement of the second year, the student must select one of the following ten programs: chemical engineering, engineering chemistry, civil engineering, electrical engineering, geological sciences, mathematics and engineering, mechanical engineering, metallurgical engineering, mining engineering, or engineering physics.

Requirements for Admission to the Faculty of Applied Science
Completion of a full year of academic work at the year 5 level including three credits in mathematics (to include functions and relations, calculus and algebra), one credit in chemistry and one credit in physics. Admission is based on a comprehensive evaluation of the student rather than on academic record alone.
Note: A student may be refused admission if standing in any one of mathematics, physics or chemistry is less than 65% or its similar grade. A student whose competence in the use of the English language is considered inadequate may be required to complete a non-credit course in remedial English.

Bachelor of Commerce
A four-year program leading to the degree of Bachelor of Commerce and designed to prepare students to pursue rewarding careers in the complex world of business or related fields. The curriculum provides a balanced program embracing the fields of accounting, finance, marketing, production, industrial and human relations, and quantitative methods. The structure of this curriculum enables the student to acquire a breadth of perspective, as well as to concentrate on one or more chosen functional areas. Since close relations exist between the programs in the School of Business and its allied disciplines in the university, the student is afforded the opportunity of selecting optional courses in the fields of economics and political studies, history, psychology, sociology, languages, philosophy, mathematics, computing and information science, geography, sciences.

Requirements for Admission to the School of Business
Completion of a full year of academic work at the year 5 level as certified by the school to include one credit in English and two credits in mathematics (chosen from algebra, calculus, functions and relations). It is recommended that students include calculus as one of the mathematics credits.

Bachelor of Nursing Science
A four-year integrated program of basic sciences, humanities and nursing. Nursing courses are concerned with learning theory and practice of the process of nursing, in the maintenance of health and prevention of illness; in the curative and rehabilitative care of people at home, in hospital and in ambulatory clinics, or in physicians' offices. There are seven weeks of clinical practice at the end of the second and third years.

Requirements for Admission to the School of Nursing
Completion of a full year of academic work at the year 5 level as certified by the school, to include one credit in mathematics and one in chemistry. Year 5 biology and English are strongly recommended. Application deadline is March 1.

Occupational Therapy
A four-year degree program leading to a Bachelor of Science (Occupational Therapy). The student will take courses in anatomy, biology, occupational therapy, physiology, psychology, sociology, plus a number of options, and in the fourth year will study research and clinical developments, administration of an occupational therapy department, and will conduct an in-depth study of a selected clinical subject. There are eight weeks of supervised clinical practice between the second and third years and 16 weeks between the third and fourth years to complete university requirements and for provincial licensing.

Requirements for Admission to Occupational Therapy
Completion of a full year of academic work at the year 5 level as certified by the school, to include one credit in mathematics and one credit in chemistry. Year 5 biology is strongly recommended. Application deadline is March 1.

Physical Therapy
A four-year degree program leading to a Bachelor of Science (Physical Therapy). The student will take courses in anatomy, biology, physical therapy, physiology, psychology, sociology, plus a number of options and, in the fourth year, will study research and clinical development, administration of a physical therapy department and will conduct an in-depth study of a selected clinical subject. There are 12 weeks of supervised clinical practice between the second and third years and 16 weeks between the third and fourth years to complete university requirements and for provincial licensing.

Requirements for Admission to Physical Therapy
Completion of a full year of academic work at the year 5 level as certified by the school, to include one credit in mathematics, and one credit in chemistry. Year 5 biology is strongly recommended. Application deadline is March 1.

Medicine
Four years after completion of at least two successful years of university work.

Requirements for Admission to the Faculty of Medicine
Seventy-five students are admitted to medicine annually. Applications to the first medical year must be received by December 1. To be eligible for admission, students must have successfully completed at least two years of university work beyond year 5 and must have included at least:

a) one year of general physics,
b) one year of general or inorganic chemistry,
c) one year of general biology or zoology and
d) one year of organic chemistry.

Any program is suitable for entry into the first medical year provided it includes the above courses. Students are encouraged to plan their programs according to their own interests.

Bachelor of Laws
Three years after admission to the Faculty of Law on the basis of one of the following requirements: bachelor's or other equivalent degree at a recognized university; or at least two years of academic work in a recognized university after year 5; or at least three years of academic work in a recognized university after year 4. The above are minimum requirements. Normally only applicants with averages over 70% and law aptitude test scores in excess of 500 are considered for admission.

Bachelor of Education
The Faculty of Education offers both consecutive and concurrent education programs leading to basic teacher certification in Ontario. Programs in secondary, elementary and technical education are offered.

Continuing education for teachers is available and programs leading to a Master of Education degree may be taken on either a part-time or full-time basis.

Requirements for Admission to a One-Year Consecutive Program in the Faculty of Education
Applicants must hold an approved degree in arts, science, commerce or another acceptable degree which has been approved with regard to admission requirements and content.

Requirements for Admission to a Concurrent Degree Program in the Faculty of Arts and Science and the Faculty of Education
Applicants must qualify for admission to either a B.A. or a B.Sc. program as outlined above.

Master of Divinity
A three-year graduate program. A bachelor's degree is required for admission to the Master of Divinity program. The program includes courses in Hebrew language and literature, Old Testament studies, New Testament studies, systematic theology and philosophy of religion, Christian ethics, church history, public speaking and practical theology.

Bachelor of Theology
A four-year program. Candidates for the degree of Bachelor of Theology must complete one year's work in arts and the three-year curriculum in theology. Admission is restricted to candidates who are at least 30 years of age.

Accommodation
Residence fees, including meals (1975-76)
Men $1,343-$1,501
Women $1,359-$1,409
Residence fees vary according to the student's program.

Annual Fees
Tuition fees for full-time students are subject to change but currently are as follows for students admitted to first year:
Arts, science, business, nursing, rehabilitation therapy, physical and health education, law $600
Applied science $725
Medicine $725
There is a student interest fee in addition to the tuition fee. Books and supplies will cost approximately $150.

Further Inquiries
Inquiries regarding admission should be directed to
Assistant Registrar (Admissions)
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-5504

Information about student awards and loans may be obtained from
Assistant Registrar (Student Awards)
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-5504

Inquiries about general information and visits to Queen's should be directed to
Liaison Office
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-5504

Royal Military College of Canada

Kingston

Commandant: Brigadier-General W. W. Turner

The Royal Military College of Canada had its beginning in 1874 in the Act of Parliament establishing "an institution for the purpose of imparting a complete education in all branches of military tactics, fortification, engineering, and a general scientific knowledge of the military profession, and for qualifying officers for command and for staff appointments."

The site selected was the old naval dockyard on Point Frederick immediately east of Kingston. The college was opened in June 1876 with the first class of 18 cadets. The objectives of the Canadian military colleges are:

1. To prepare officer cadets for effective service as commissioned officers in the Canadian Forces by:
   a) providing a university level education in appropriate disciplines designed on a broad base to meet the unique needs of the forces,
   b) developing qualities of leadership,
   c) developing the ability to communicate in both official languages and to understand the principles of biculturalism,
   d) developing a high standard of personal physical fitness,
   e) stimulating an awareness of the ethic of the military profession; and
2. to improve the educational background of commissioned officers in the Canadian Armed Forces by providing undergraduate and postgraduate courses in appropriate fields.

The courses of instruction provide a sound and balanced liberal, scientific and military education. The cadet organization and the military training are intended to develop a high degree of physical fitness in the officer cadets and to give them a sense of responsibility, self-discipline, fair play, and fellowship.

Enrolment 1975-76
Total 635

•Degree Courses
Arts
Engineering
Science

Degree Programs in the French Language
In September 1976 a first year course program became available in the French language, to be continued in 1977. Degree offerings in French will be continually widened until all degree programs are available in the French language.

Admission Requirements for 1977-78
The colleges are open to male applicants only. Ontario applicants completing year 5 may apply for Royal Military College of Canada or Royal Roads Military College. Those completing year 4 of the five-year program may apply to *Collège militaire royal de Saint-Jean*.

Applicants planning to enter the Royal Military College of Canada in the fall of 1977 should note that the final date for applications is February 1, 1977.

General Qualifications
An applicant for admission must have the following qualifications:
a) he must be a Canadian citizen,
b) if applying as a senior matriculant, he must have reached his 16th birthday but not his 21st on the first day of January preceding entrance,
c) if applying as a junior matriculant for *College militaire royal de Saint-Jean*, he must have reached his 16th but not his 20th birthday on the first day of January preceding entrance,
d) he must be single and must undertake to remain single until commissioned,
e) he must meet the physical standards for the element he wishes to enter,
f) he must possess the necessary academic qualifications as set out below.

Academic Qualifications for 1976-77

Royal Military College of Canada Course Requirements
Common first year program: Courses are available for programs leading to degrees in arts, engineering, or science. The first year program is common to all of these programs and has the following courses: chemistry, drill, English, français, mathematics, military leadership and management, physical education, and physics.

In subsequent years: The course requirements at the Royal Military College of Canada have a broad scope including, for all courses in arts: English, français, mathematics, military leadership and management, physical education, science; for all courses in science or engineering: economics, English, français, history, military leadership and management, physical education, two additional arts elective courses.

Because of these course requirements at the military colleges, an important criterion in selection will be the candidate's mathematics-science average in high school. Further, because of the stated need for engineers in the Armed Forces, preference will normally be given to those candidates who have satisfactorily completed all of the requirements for admission to a science or engineering course of study.

It should be noted that all arts courses at the Canadian military colleges, both general and honours, are of four years' duration beyond the normal secondary school level required for university admission, except for candidates entering *College militaire royal de Saint-Jean* where a five-year course is required. It is possible, however, to transfer after second year engineering into an honours arts course of study without loss of a year.

Academic Qualifications for Admission
To meet the minimum requirements for admission to the Royal Military College of Canada, an applicant must offer standing at a level satisfactory to the college (level 5 in Ontario) in the required papers in the following subjects:
a) anglais or English, or français or French (one credit course acceptable for Ontario applicants),
b) mathematics (calculus and functions and relations), and
c) two or three of algebra, chemistry, physics.

In Other Provinces
One of: chemistry, physics, and any other approved subject (or subjects) to make up the full requirements for graduation in the current year of work.

Admission to Royal Roads Military College
Requirements are similar to those for RMC.

Admission to the Preparatory Year at Collège militaire royal de Saint-Jean
Graduates from secondary schools in Ontario should have successfully completed year 3 and 4 of the five-year course, including the following subjects: English (for English speaking applicants) or français (for French speaking applicants), mathematics, physics and chemistry.

Physical Requirements
Candidates are required to meet the common enrolment standards of the Canadian Armed Forces.
The fundamental medical requirement is a sound, healthy body with normal mental and muscular co-ordination. Particular attention is given to the cardiovascular system, the respiratory system, central nervous system, visual acuity, colour vision, eye muscle balance, organs of speech, and sense of hearing. Any condition which, as it exists, or which, due to possible progression, may limit the candidate's career as a member of the Canadian Armed Forces will be cause for rejection.

Candidates should be prepared to participate in a vigorous, progressive physical training program.

Financial Assistance
An officer cadet who is a member of the Regular Officer Training Plan has his fees for the entire course paid by the Department of National Defense and is entitled to pay and allowances prescribed by the plan.

Other applicants are eligible to apply for a number of scholarships and bursaries, including the Ontario Student Assistance Program.

Dominion Cadetships
Fifteen Dominion Cadetships worth $580 each are available to first year reserve entry cadets at the Canadian military colleges. A candidate must be the son of a person who died or was killed or is severely incapacitated as a result of service in a component of the Armed Forces of Canada.
Applications must be made in writing to
National Defence Headquarters
Ottawa, Ontario K1A 0K2
Attention: Director of
Recruiting and Selection

Royal Military College of Canada Foundation Scholarship
Three scholarships are open to competition among all reserve entry applicants for admission to the Canadian military colleges. Each scholarship has a value of $1,000 for the first year and a further $400 for each subsequent year up to the time of graduation from RMC. An applicant, to be awarded a scholarship, must be an accepted reserve entry candidate for RMC, Royal Roads Military College, or *College militaire royal de Saint-Jean. Further information may be obtained from*
Secretary-Treasurer
RMC Club of Canada
Royal Military College of Canada
Kingston, Ontario K7L 2W3

Residence Accommodation
All cadets at the Canadian military colleges are in full-time residence at the colleges. At RMC single rooms are normally provided except early in the recruit year when it is usually found beneficial to place two cadets in a room. Collegiate dining is provided with waitress service at the tables. Full recreational facilities, including an indoor swimming pool, are available within close proximity of the residences.

The college is divided into squadrons under the direction of cadet officers in their senior year with an experienced serving officer as squadron commander. Overall direction is in the hands of the Director of Cadets.

This combination of collegiate and military life provides an unparalleled opportunity to study in practice the problems of leadership and management that are discussed in the classroom.

Annual Tuition Fees
(Fees quoted as of January 1976 and are subject to revision)
For officer cadets with reserve status:
First year $550
Each subsequent year $300
The tuition fees cover: tuition, clothing, books, instruments, drawing materials, dry cleaning.

In addition there is a fee for meals and accommodation, a recreation club fee of $50 and an annual deposit of $100 against additional expenditures, the balance of which is refundable at the end of the year.

Further Information
Inquire with the commanding officer of any Canadian Forces Recruiting Centre, or write to
Registrar
Royal Military College of Canada
Kingston, Ontario K7L 2W3
Telephone (613) 545-7236

Ryerson Polytechnical Institute

Toronto

President: W. Pitman

In 25 years, Ryerson has evolved from its early trade school beginnings to a degree-granting polytechnical institute with a total day and evening enrolment in excess of 22,000.

Ryerson's dramatic transition is representative of the ever increasing need for technological education at post-secondary levels. This need was significantly recognized by Bill 97 on October 1, 1971. Briefly, this proclamation authorizes Ryerson to grant degrees and has provided the Institute with the means of developing an entirely new concept of technological education.

The Ryerson degrees of Bachelor of Technology and Bachelor of Applied Arts combine work experience with the regular program of studies. A number of the programs require at least one year of relevant work experience coincident with the studies leading to a degree. Other degree granting programs provide for an integrated work experience with the program of study. The Ryerson concept of combining theory and practice in learning equips students with the tools necessary for personal and professional accomplishment on graduation.

In short, the availability of the Ryerson degree program frees many students to make a choice between this new pattern of education and that offered in the traditional university.

Enrolment 1975-76
Full-time 8,329
Part-time 1,395

•Programs and Admission Requirements 1976
Unless otherwise noted, specified prerequisite subject averages for programs requiring the Ontario Secondary School Graduation Diploma are advanced five-year 60% or general four-year 70%.

The following program listing outlines basic admission requirements. Interested students are advised to contact the Office of Admissions for more detailed information.

Aerospace Engineering Technology — Diploma, Post Diploma, Degree
Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.
Post-diploma: Ryerson Diploma in Aerospace Engineering Technology (or equivalent). Duration: One year.
Degree: Bachelor of Technology (Air Transport Engineering). Awarded upon successful completion of diploma and post-diploma programs.

Applied Geography — Degree
OSSGD including English (year 4) and mathematics (year 4). Effective September 1977, applicants will be required to have the OSSHGD with English (year 4) advanced 60%, or year 5 English; mathematics (year 4) advanced 60%, or year 5 mathematics. (Year 5 mathematics of finance is not acceptable). Duration: Four years.
Degree: Bachelor of Applied Arts (Geography).

Architectural Science — Degree
OSSHGD including English (year 5). Preference given to students who include mathematics and physics in year 5 studies. Duration: Four years.
Degree: Bachelor of Technology (Architectural Science). Preference will be given to applicants who include mathematics (functions and relations) and physics in their year 5 studies. Effective September 1977, candidates will be required to have the OSSHGD including English, physics and mathematics (functions and relations).

Business Administration — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English (year 4) and algebra based mathematics (year 3 and 4). Minimum of ten credits year 3 and 4 (grade 11 and 12). General level, year 3 and/or 4 business mathematics is not acceptable for the mathematics prerequisite. Duration: Three years.
Post-diploma: Ryerson Business Administration Diploma with a "B" average (or equivalent). Duration: One year (available full-time day or part-time evening).
Degree: Bachelor of Technology (Business Management). Awarded upon successful completion of diploma and post-diploma programs plus one year of acceptable work experience.

Chemical Technology — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3), chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.
Post-diploma: Ryerson Diploma in Chemical Technology, Metallurgical Technology (or equivalent). Applicants must be employed in the area of their specialization or have one year of acceptable work experience. Duration: Equivalent to one year (part-time evening study).
Degree: Bachelor of Technology (Chemical Technology). Awarded upon successful completion of diploma program, one year of industrial work experience and post-diploma program.

Civil Engineering Technology — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.
Post-Diploma: Ryerson Diploma in Civil Engineering Technology (or equivalent). Duration: Equivalent to one year (part-time evening study).
Degree: Bachelor of Technology (Civil Engineering). Awarded upon successful completion of diploma and post-diploma program and one year of acceptable work experience (completed before, during or after the post-diploma program).

Computer Applications Technology — Diploma
OSSGD including English* (year 4); mathematics (year 4) advanced 70%, advanced physics (year 4) and advanced chemistry (year 4), averaged 60%. Applicants who do not have 70% in year 4 advanced mathematics may substitute year 5 mathematics with a mark of 60%. Students with year 4 general background considered on individual basis.

Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.

Construction Management — Degree
Designed for graduates of the former three-year Ryerson architectural technology program (or equivalent). Duration: One year.
Degree: Bachelor of Technology (Construction Management).

Arts — Diploma
OSSGD including three year 4 subjects from English, economics, history, geography, any language, mathematics, physics, chemistry and biology, plus one other year 4 subject. Duration: Three years.

Early Childhood Education — Degree
OSSHGD including English (year 5). Minimum 60% preferred. Duration: Four years (integrated).
Degree: Bachelor of Applied Arts (Early Childhood).

Electrical Technology — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English (years 3 and 4) with a 60% average at the advanced level; mathematics, physics and chemistry (years 3 and 4) with a 60% average at the advanced level; a minimum of 10 credits in years 3 and 4 is required. Applicants who do not meet these standards will be considered on an individual basis. Duration: Three years.
Post-diploma: Ryerson Diploma in Electrical Technology plus one year of related business or industrial work experience as a technologist. Duration: Equivalent to one year (part-time evening study).
Degree: Bachelor of Technology (Electrical). Awarded upon successful completion of diploma program, one year of related work experience and post-diploma program.

Engineering Physics Technology — Diploma
OSSGD including English (years 3 and 4) with a 60% average at the advanced level, mathematics, physics and chemistry (years 3 and 4) with a 60% average at the advanced level; a minimum of 10 credits in years 3 and 4. Applicants who do not meet these standards will be considered on an individual basis.

Fashion — Diploma
OSSGD including English (year 4). Minimum of 10 credits in years 3 and 4. Duration: Three years.

*Students must have obtained course credit. No specific percentage required.

Geodetic Sciences — Diploma, Degree
Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.
Post-diploma: Ryerson Diploma in Geodetic Sciences (or equivalent). Duration: One year.
Degree: Bachelor of Technology (Geodetic Sciences). Awarded upon successful completion of diploma program, one year of acceptable work experience and post-diploma program.

Graphic Arts Management — Degree
OSSHGD including a minimum of one credit in each of year 5 chemistry, year 5 English and year 4 mathematics. Duration: Four years.
Degree: Bachelor of Technology (Graphic Arts Management).

Home Economics — Degree
OSSHGD including English (year 5) and chemistry (year 4), advanced. Minimum 60% preferred in both subjects. It is recommended that applicants have the following level 5 subjects: biology, chemistry and mathematics (functions and relations). Applicants who are interested in science as a second teaching subject for the Faculty of Education must have completed year 5 mathematics (functions and relations) with a minimum mark of 60%. Duration: Four years.
Degree: Bachelor of Applied Arts (Home Economics).

Hotel, Restaurant and Institutional Administration — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English (year 4), algebra based mathematics (years 3 and 4), one other year 4 subject. Minimum of 10 credits in years 3 and 4. Duration: Three years.
Post-diploma: Diploma in Hotel and Tourist Management. Ryerson Hotel Restaurant and Institutional Administration Diploma (or equivalent) plus one year of cumulative acceptable experience. Duration: One year.
Degree: Bachelor of Applied Arts (Hotel and Tourism Management). Awarded upon successful completion of diploma program, specified work experience and post-diploma program.

Industrial Engineering Technology — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English (years 3 and 4). Duration: Three years.
Post-diploma: Ryerson Diploma in Industrial Engineering Technology (or equivalent). Duration: One year full-time study (also available on a part-time evening study basis).
Degree: Bachelor of Technology (Industrial Engineering). Awarded upon successful completion of diploma and post-diploma and one year of related work experience.

Interior Design — Degree
OSSHGD including English, history and mathematics (functions and relations). Minimum 60% in these year 5 studies. Students should select contemporary history if available; if not available, geography, economics, sociology or art history may be substituted. Duration: Four years.
Degree: Bachelor of Applied Arts (Interior Design).

Journalism — Degree
OSSHGD including English (year 5) minimum of one credit, and history (year 5). Where possible, English should have written communication content. Duration: Three years.
Degree: Bachelor of Applied Arts (Journalism).

Laboratory Science — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English (year 4), mathematics (years 3 and 4), and two of chemistry, physics, biology (year 3) or higher. Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English (years 3 and 4).
Effective September 1977, applicants will be required to have level 3 physics and level 4 chemistry. Duration: Three years.
Post-diploma: Ryerson Diploma in Laboratory Science (or equivalent). Applicants must be employed in their area of specialization or have one year of acceptable work experience. Duration: Equivalent to one year (part-time evening study).
Degree: Bachelor of Technology (Laboratory Science). Awarded upon successful completion of diploma program, one year of acceptable work experience and post-diploma program.

Landscape Architectural Technology — Diploma
OSSGD including English and mathematics (years 3 and 4) with a 60% average at the advanced level; physics (year 3) and chemistry (year 4) with 60% averages at the advanced levels. Minimum of 10 credits in years 3 and 4. Applicants who do not meet these standards will be considered on an individual basis. Preference may be given to applicants with level 5 credits. Duration: Three years.

Library Arts — Certificate
OSSGD including English (year 4). Duration: Two years.

Mechanical Engineering Technology — Diploma, Post-Diploma, Degree
Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.
Post-diploma: Ryerson Diploma in Mechanical Engineering Technology (or equivalent) plus one year of related business and/or industrial work experience as a technologist. Duration: One year full-time study (also available on a part-time evening study basis).
Degree: Bachelor of Technology (Mechanical). Awarded upon successful completion of diploma program, one year related work experience and post-diploma program.

Metallurgical Technology — Diploma
OSSGD including English (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Students must have obtained course credits. No specific percentages required. Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.

*Students must have obtained course credit. No specific percentage required.

Nursing — Diploma
OSSGD with advanced 60% standing in English (years 3 and 4), chemistry (year 3 or higher), biology or physics (year 3 or higher). Minimum of ten credits in years 3 and 4, of which two credits must be in English, one credit in chemistry and one credit in biology or physics. Preference may be given to biology. It is recommended that the remainder of subjects include those within categories of communications and social and environmental studies. Effective September 1977, preference will be given to applicants holding OSSHGD. Duration: Two years (six semesters).

Advanced Nursing Programs
Adult intensive care nursing, psychiatric nursing (students must have acquired psychiatric experience during the diploma nursing program), pediatric nursing (certificate programs). For adult intensive care or pediatric nursing preference will be given to candidates with one or more years of nursing experience. Admission Requirements: Ryerson Nursing Diploma or equivalent. Applicants must be registered or eligible for registration in Ontario.

Photographic Arts — Degrees
OSSGD including English (year 4). It is anticipated that effective September 1978, an OSSHGD will be required for admission. Further details to be announced. Duration: Four years.
Degrees: Dependent on options, either Bachelor of Applied Arts (Photography) or Bachelor of Technology (Photography).

Public Health Inspection — Certificate
OSSGD with a 60% average at the advanced level in chemistry and mathematics (year 4) and physics (year 3). Biology (advanced year 3 or 4) may be substituted for either physics or chemistry. Duration: Two years.
Advanced program: Environmental health (certificate).
Certificate in Public Health Inspection (Canada). Not offered in 1976-77.

Radio and Television Arts — Degree
OSSHGD including English (year 5) minimum 65% preferred. Duration: Three years.
Degree: Bachelor of Applied Arts (Radio and Television Arts).

Secretarial Science — Diploma, Degree
Diploma: OSSGD with a minimum of ten credits in years 3 and 4, including two credits in English (years 3 and 4). Applicants holding an OSSHGD will be admitted into second year. Duration: Two years from level 5; three years from level 4.
Degree: Bachelor of Applied Arts (Secretarial Science). Duration: Three years from level 5; four years from level 4.

Social Services — Diploma, Degree
Diploma: OSSHGD including English (year 4) with a 60% average at the advanced level; year 5 preferred. Applicants must be a minimum of 18 years of age as of June 1, 1977. Preference will be given to applicants over 20 years of age and who have two or more years of work experience. Duration: Three years.
Degree: Ryerson Social Service Diploma or equivalent, 12 months working experience in the field of social services as practitioner, supervisor, or administrator. Duration: One year.
Degree: Bachelor of Applied Arts (Social Services).

Theatre Department — Diploma
OSSGD. Applicants for the Canadian College of Dance must offer proof of satisfactory ballet training and be a minimum of 16 years of age. All other theatre programs require that candidates be a minimum of 17 years of age. Duration: Acting — four years; Canadian College of Dance — three years; technical production — three years.

Urban Planning — Degree
OSSHGD. Preference given to candidates who have credits in year 5 mathematics, geography and English. Duration: Four years.
Degree: Bachelor of Applied Arts (Urban Planning).

Extension Department
A number of professional certificates and general education programs are offered through Ryerson's Extension Department.
For information contact
Director of Extension
Ryerson Polytechnical Institute
50 Gould Street
Toronto, Ontario M5B 1E8

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with Ryerson's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the institution. At Ryerson, scholarships are awarded on the basis of academic excellence. The awards are generally granted automatically to the recipients for their performance during the previous academic year.

Bursaries are awarded to students who require limited financial assistance. Students must have written one set of exams at Ryerson to be eligible. A minimum of second class standing is normally required and must be maintained.

Residence Accommodation
Bond House
Ryerson maintains a residence, Bond House, near the main campus. This residence accommodates 48 male students.

Neill-Wycik College
Neill-Wycik is a 22-storey co-operative residence which offers extensive facilities. It is owned and operated by its members. Located one block from the main Ryerson Campus, this ambitious project accommodates 800 students in a variety of attractive living arrangements. Telephone (416) 367-0302.

Housing Registry
The Student Services Department operates a year-round housing registry to assist students in finding accommodation throughout the city.

Tuition
Semester programs, per semester $212
Non-semester programs, per year $424

Further Inquiries
For further information write to
Office of Admissions
Ryerson Polytechnical Institute
50 Gould Street
Toronto, Ontario M5B 1E8
Telephone (416) 595-5027

Inquiries regarding scholarships, bursaries, student awards and housing should be addressed to
Student Services Department
Ryerson Polytechnical Institute
50 Gould Street
Toronto, Ontario M5B 3K8

University of Toronto

Toronto

President: John R. Evans

The University of Toronto, established by royal charter in 1827, is the oldest and largest university in Ontario. Recognized internationally for its outstanding academic tradition and achievements, the University of Toronto offers students a unique opportunity for participation in an active community of scholars.

The widest variety of academic programs of any university in the province may be found on the St. George Campus in downtown Toronto, the Erindale Campus (20 miles to the west in Mississauga) and the Scarborough Campus (20 miles to the east in West Hill).

In the Faculty of Arts and Science, the curriculum adopted in 1969 places great emphasis on the students' freedom to create individual programs of study that will satisfy and express their personal interests and abilities. In addition to student facilities provided by the federated universities and colleges, the university has residences for 3,250 students, 710 apartments for married students, a health service and advisory bureau, a career counselling and placement centre, a housing service, athletic and recreation facilities (including a stadium and arena), and exceptionally good facilities for music, theatre, art, debate and reading.

Graduate study is one of the university's greatest strengths. The School of Graduate Studies, with an enrolment of 7,808 in 1975-76, conducts all work leading to graduate degrees in the university. In this and other schools and faculties, the university provides special study and research facilities in such diverse disciplines as nuclear engineering, computer science, Islamic studies, library science, aerospace studies, linguistics, urban and regional planning, and criminology, to mention only a few.

Enrolment
Full-time undergraduate 24,835

Faculties and Schools
Faculty of Applied Science and Engineering
Faculty of Arts and Science
Faculty of Dentistry
Faculty of Education
Faculty of Forestry and Landscape Architecture
Faculty of Law
Faculty of Library Science
Faculty of Management Studies
Faculty of Medicine
Faculty of Music
Faculty of Nursing
Faculty of Pharmacy
Faculty of Social Work
Department of Architecture
Royal Conservatory of Music
School of Graduate Studies
School of Physical and Health Education

Research Centres and Institutes
Centre of Criminology
Centre for Culture and Technology
Centre for the Study of Drama
Centre for Industrial Relations
Centre for Linguistic Studies
Centre for Medieval Studies
Centre for Russian and East European Studies
Centre for Urban and Community Studies
Centre for Renaissance Studies
Computer Centre
Institute of Environmental Sciences and Engineering
Institute for Aerospace Studies
Institute of Applied Statistics
Institute for Bio-medical Electronics and Engineering
Institute of Child Study
Institute for the History and Philosophy of Science and Technology
Institute of Immunology
International Studies Program
Great Lakes Institute
Pontifical Institute of Medieval Studies
Institute of Medical Science
Institute for the Quantitative Analysis of Social and Economic Policy Systems Building Centre

•Degree Programs Offered

Bachelor of Arts, Bachelor of Science, Bachelor of Commerce
Three or four years from senior matriculation (B Com. program requires four years). Degrees are offered in arts, science or commerce. In either three or four-year programs, students may specialize or take a variety of subjects.

The arts and science program enables students to determine their own program each year by choosing those courses which interest them and for which they have the required background, if any. A student entering first year will choose five courses from those offered by these departments: anthropology, astronomy, botany, chemistry, classics, commerce, computer science, East Asian studies, economics, English, fine art, French, geography, geology, German, Greek (ancient), Greek (modern), Hispanic studies (Portuguese and Spanish), history, Italian, Latin, linguistics, mathematics, Middle East and Islamic studies, music, Near Eastern studies, philosophy, physics, political economy, psychology, religious studies, Sanskrit and Indian studies, Slavic languages and literature, sociology, statistics, zoology.

Candidates should satisfy the general requirements for admission previously outlined and are reminded that certain specific university courses in mathematics, science and languages have year 5 prerequisites.

Bachelor of Applied Science
Four years from senior matriculation, available in chemical, civil, mechanical, industrial, electrical, geological engineering and applied earth science, metallurgy and materials science, engineering science.

Candidates must present relations and functions, calculus, algebra, physics and chemistry. Superior students whose programs do not include one of these subjects may also be considered. Candidates for the course in engineering science should have excellent standing.

Federated Institutions
Emmanuel College
Knox College
University of St. Michael's College
University of Trinity College
Victoria College
Wycliffe College

General Admission Requirements for 1977-78
Entrance to the first year of the undergraduate courses is offered, depending upon the number of places available, to candidates from Ontario secondary schools who demonstrate good standing based upon the following evidence:
a) completion of secondary school studies, including a full academic program at the year 5 level,
b) a recommendation by the secondary school last attended regarding probable success in university studies, and
c) a complete academic report for the last three years of secondary school.

Throughout the secondary school years students should study in as many of the following areas as possible: English, French and other languages, mathematics, sciences, and social studies. Students should also consider carefully what aspects of their projected university work will entail prerequisite studies. Each faculty regards certain year 5 subjects as necessary preparation and these are listed under the entry for each division.

A full description of these admission requirements is contained in the Undergraduate Admission Handbook (see note which follows). Applicants to programs in business administration, education, library science, social work and child study must hold a bachelor's degree.

Any change in entrance requirements will be communicated to the high schools in February 1977.

Limited Enrolment
Since accommodation and certain other facilities are restricted, the university cannot guarantee the acceptance of all qualified applicants.

No minimum mark or percentage is prescribed for admission to the university, but because of the pressure of applications and the nature of the university courses, it is likely that a student will require a school average above 60% in order to be considered for selection.

Application for Admission
Candidates currently in Ontario year 5 should apply through their high school using the general application form. Applications received from such candidates by the date announced on the application form will be given early consideration. All other candidates should write to the Office of Admissions, giving details of their previous academic work.
Note: University of Toronto Calendars are sent to all Ontario secondary schools, Ontario public libraries and Canadian universities. The Undergraduate Admission Handbook is available upon request from
Office of Admissions
University of Toronto
315 Bloor Street West
Toronto, Ontario M5S 1A3

Bachelor of Architecture
Five years from senior matriculation. Candidates must present relations and functions, calculus, and English. All applicants are asked to present a portfolio of their work, and applicants within a radius of 500 miles of Toronto may be invited for an interview.

Bachelor of Science in Forestry
Four years from senior matriculation. In third year students must elect either the forestry program or the wood science and forest products program. Candidates must present relations and functions, calculus, and chemistry.

Bachelor of Landscape Architecture
Four years from senior matriculation. Candidates must present year 4 mathematics or year 5 mathematics (relations and functions and calculus) and year 4 or 5 English. It is recommended that prospective applicants to the program pursue studies in the natural and social sciences.

Bachelor of Music
Four years from senior matriculation. In second year music, students choose their major field of concentration from one of the following: composition, history and literature, music education. Candidates from Ontario secondary schools must present at least five academic credits at the year 5 level, not including year 5 music or RCMT certificates.

Musical Requirements:
a) *Major performing medium.* All candidates are required to audition. The minimum standard expected is the RCMT Grade 10 (or equivalent) for piano or organ; or Grade 8 in any standard orchestral or band instrument, classical guitar, free bass accordion, historical instruments or voice. The RCMT syllabi should be consulted for guidance in preparing auditions and for the standard expected.
b) *Theory.* (1) RCMT (or equivalent) certificates: Grade 2 rudiments and Grade 3 harmony, or (2) an admission-placement test of general musicianship.
c) *Keyboard proficiency.* All students whose applied music medium is not a keyboard instrument will be tested at registration for keyboard proficiency. If they do not meet the departmental standard, they will be required to do so before being admitted to second year. Details of the required standard may be obtained from the Assistant Dean (Administration) of the Faculty of Music.
d) *Additional requirement:* Interview.

Bachelor of Music in Performance
Four years from a four-year high school course.

Academic Requirements:
Students must present at least five academic credits at either the Ontario year 4 level or the Ontario year 5 level, or a combination of Ontario year 4 and 5 level credits, not including year 4 or 5 music or RCMT certificates (or equivalent). Music is highly recommended as a subject but will not be counted in the five credits.

Musical Requirements:

a) *Major performing medium.* An entrance audition in performance is required of all applicants. Only those showing special talent will be admitted to the course. Candidates may audition on any standard orchestral or band instrument, recorder, piano, organ, harpsichord, classical guitar or voice. Details of the required standard may be obtained from the Assistant Dean (Administration) of the Faculty of Music.
b) *Theory.* Same as for Bachelor of Music degree program (see above).
c) *Keyboard proficiency.* Same as for Bachelor of Music degree program.
d) *Additional requirement:* Interview.

Artist and Licentiate Diploma Programs (Faculty of Music)

Three years: After a common first year a student in the second and third years will continue in either the Licentiate Diploma program or the Artist Diploma program.
Artist Diploma: A practical course to train performers for professional careers.
Licentiate Diploma: A course which combines practical training with instruction in pedagogy to prepare students for careers as private teachers.

Academic Requirements:

Students must present at least five academic credits at either the Ontario year 4 level or the Ontario year 5 level or a combination of Ontario year 4 and 5 level credits, not including year 4 or 5 music or RCMT certificates (or equivalent). Music is highly recommended as a subject but will not be counted in the five credits.

Musical Requirements:

a) *Major performing medium.* Candidates must pass an audition. Superior performing ability is expected. For the Artist Diploma program, candidates may audition on any standard orchestral or band instrument, piano, harpsichord, classical guitar, or voice. The Licentiate Diploma program is available only in piano
b) *Theory.* Same as for Bachelor of Music degree program (see above).
c) *Keyboard proficiency.* Same as for Bachelor of Music degree program.
d) *Additional requirement:* Interview.

Bachelor of Science in Nursing

The basic degree course in nursing is four years from senior matriculation. There is also a three-year degree course for graduate nurses with senior matriculation. Candidates must present chemistry.

Bachelor of Science in Pharmacy

Four years from senior matriculation. Candidates must present year 5 courses in relations and functions, calculus, chemistry, and physics. In exceptional cases, students without year 5 physics may be considered.

Bachelor of Physical and Health Education

There are no specific year 5 subject requirements necessary for admission. However, students having a background of science subjects may find this to be advantageous in the physical and health education course.

Bachelor of Science in Occupational Therapy, Bachelor of Science in Physical Therapy

Four years from senior matriculation. Students enter second year of either program following a year of arts and science in an approved university including the following recommended subjects: two sciences, one of which should be biology; two social sciences, one of which should be psychology; one elective.
Address inquiries to
Department of Rehabilitation Medicine
University of Toronto
256 McCaul Street
Toronto, Ontario M5T 1W5

Bachelor of Science in Art as Applied to Medicine

Three years. An advanced course which is offered to qualified artists. Candidates must present a complete academic program at the year 5 level, including English. Biology is strongly recommended.
Address inquiries to
Director
Department of Art as Applied to Medicine
University of Toronto
256 McCaul Street
Toronto, Ontario M5T 1W5

Doctor of Dental Surgery

Four years from the one pre-professional year beyond senior matriculation (five years from senior matriculation).

Candidates for admission to the first year must have successfully completed at least one year of an acceptable university program beyond Ontario year 5 or equivalent, including physics, chemistry and zoology (or biology if zoology is not offered at the university attended).

Those who wish to carry out their preparatory (first year university) program at the University of Toronto should enrol in the arts and science program, admission requirements for which are given elsewhere in this section.
Inquiries should be addressed to
Secretary
Faculty of Dentistry
University of Toronto
124 Edward Street
Toronto, Ontario M5G 1G6

Bachelor of Laws

Three years from at least two years' academic study beyond senior matriculation (at least five years from senior matriculation).
Address inquiries to
Senior Admissions Officer
Faculty of Law
University of Toronto
Toronto, Ontario M5S 1A1

Doctor of Medicine

Four years following completion of:

a) a minimum of two or three years in a degree program in a Canadian university, after completion of Ontario year 5 or equivalent, and obtaining appropriate credit in the prerequisite subjects, or
b) a bachelor's degree from a recognized university, and obtaining credit in the prerequisite subjects.

Students preparing themselves for admission in September 1978, should note the following changes in prerequisite requirements which will be in effect commencing, with the academic session 1978-79: All applicants will be required to have obtained credit for prerequisite courses in biology, physics, mathematics and chemistry either in year 5 or level 5, or in appropriate university level courses. Applicants will be required to have standing in a university course in general chemistry and organic chemistry of one year's duration either

a) individually, or
b) in a combined program or its equivalent, or
c) in approved summer program prior to registration in the first medical year, with appropriate laboratories.

Address inquiries to
Associate Dean
Student Affairs
Faculty of Medicine
University of Toronto
Toronto, Ontario M5S 1A8
Telephone (416) 978-2717

Theology

Courses are offered by Emmanuel College (United Church), Knox College (Presbyterian), St. Michael's College (Roman Catholic), Trinity and Wycliffe Colleges (Anglican). Inquiries should be directed to the head of the college concerned c/o the University of Toronto, Toronto, Ontario M5S 1A3.

Libraries

The library holdings total more than 4,000,000 volumes, 1,000,000 microforms, 48,000 current serials, and also include such other items as maps, manuscripts, sheet music and recordings. They are housed in the central university library and some 40 other libraries in faculties, colleges, departments, and in the federated universities and related institutions.

Financial Assistance

There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the university.

The University of Toronto publishes a special booklet on admission awards. This booklet describes scholarships and bursaries available to entering students and is distributed to all high schools.

Undergraduate Residence Accommodation

If, on their application for admission, students indicate an interest in residence accommodation, they will automatically be sent a copy of the Residence Handbook and an application for residence accommodation.
Further inquiries about available accommodation should be addressed to one of the following appropriate officials

Director of Residences
University College

Dean of Men or Dean of Women
Victoria College

Registrar
Trinity College

Dean of Men, St. Michael's College or
Dean, St. Joseph's College (Women)
90 Wellesley Street West
Toronto, Ontario M5S 1C5 or

Dean, Loretto College (Women)
70 St. Mary Street
Toronto, Ontario M5S 1J3

Dean of Men or Dean of Women
New College

Residence Co-ordinator
Innis College

Administrative Assistant to the Comptroller (Residences)
Scarborough College
1265 Military Trail
West Hill, Ontario M1C 1A4

Director of Student Affairs
Erindale College
3359 Mississauga Road
Mississauga, Ontario L5L 1C6

Secretary to the Dean (Men's Residence)
Devonshire House

Cost of Residence
The total cost of residence accommodation including meals, varies from $1,165 to $1,425 per session.

Other Accommodation
For assistance in finding lodging, students should contact
University Housing Service
49 St. George Street
Toronto, Ontario M5S 1A1

A variety of residence accommodation is offered by the two independent residences listed below. They have no official connection with the university. *Inquiries should be made directly to*
Campus Co-operative Residence Inc.
395 Huron Street
Toronto, Ontario M5S 2G5

Tartu College
310 Bloor Street West
Toronto, Ontario M5S 1W4

Annual Tuition Fees
Arts and science $115 per course
Applied science and engineering $835
Architecture $835
Dentistry $1,500, including instruments fee
Forestry $674 (field work expenses amount to an additional $200)
Landscape architecture $835
Law $676
Medicine $886
Music $662
Nursing $591
Pharmacy $675
Physical and health education $660
Physical and occupational therapy $652
All fees are approximate and subject to change without notice.

Further Inquiries
Inquiries about admission requirements should be addressed to
Office of Admissions
University of Toronto
315 Bloor Street West
Toronto, Ontario M5S 1A3
Telephone (416) 978-2190

Inquiries about University of Toronto information programs for secondary schools should be addressed to
Alan Hill
Assistant Director of Admissions
(Secondary School Liaison)
Office of Admissions
University of Toronto
315 Bloor Street West
Toronto, Ontario M5S 1A3
Telephone (416) 978-2771

Inquiries and requests for application forms for student awards should be addressed to
Student Awards Office
Simcoe Hall
University of Toronto
Toronto, Ontario M5S 1A1
Telephone (416) 978-2204 OSAP
(416) 978-2183 other awards

Erindale College
Mississauga
Principal: Paul Fox

Erindale College, established in 1967, offers a wide range of courses leading to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Commerce of the Faculty of Arts and Science. The college is situated on a 220-acre wooded site on the banks of the Credit River in the City of Mississauga, twenty miles west of the St. George Campus.

The more than 200 faculty members comprising the teaching staff also hold appointments in corresponding departments on the St. George campus. At present, there are about 3,400 full-time students and 1,000 part-time students. Classes are generally small and there is ample opportunity for individual discussion with the professors. The classes are concentrated in two main areas and thus travelling time from one class to another is minimal.

The college has a writing laboratory for help in improving essays and writing skills; comfortable study lounges; computer facilities; language and science laboratories; athletic facilities which host a variety of activities. Residence accommodation is provided for 300 students in a townhouse complex. Erindale also has complete cafeteria facilities, a comprehensive health service and a wide range of counselling services.

Admission Requirements
Candidates should satisfy the general admission requirements outlined for the University of Toronto.

•Programs Offered
Erindale offers courses leading to three and four-year Bachelor of Arts or Bachelor of Science degrees and a four-year Bachelor of Commerce degree. There is a wide variety of courses offered in most academic disciplines from which the students may choose programs designed to meet their individual needs. The college sponsors unique programs in survey science, environmental studies, a program in art education in co-operation with Sheridan College of Applied Arts and Technology, as well as a number of interdisciplinary courses.

Library
Erindale has excellent library facilities boasting ample study space, a collection of 150,000 books and 1,600 audio cassettes, reference assistance and access to the library services of the downtown campus.

Fees
$115 per course plus incidental fees.

Further Inquiries
Registrar's Office
Erindale College
3359 Mississauga Road North
Mississauga, Ontario L5L 1C6
Telephone (416) 828-5399

Scarborough College
West Hill
Principal: Ralph Campbell

Scarborough College is situated in eastern Metropolitan Toronto, approximately 20 miles from the St. George Campus. The first students were admitted to Scarborough College in September 1965 and now the college offers programs of study leading to Bachelor of Arts and Bachelor of Science degrees. In 1975-76 there were approximately 3,475 full-time students and 1,200 part-time students registered at the college.

A student at Scarborough College is allowed freedom of course selection subject only to meeting pre-requisites and/or co-requisites where they exist. Courses are offered in the following subjects: anthropology, astronomy, biological sciences, chemistry, commerce, drama, economics, English, fine art, French, general classics, geography, geology, German, history, humanities, Italian, linguistics, mathematics, natural science, philosophy, physics, political science, psychology, Russian, social science, sociology, Spanish. In addition a co-operative work-study program in public administration has been developed at Scarborough College.

Buildings at the college are connected via underground areas and corridors. This connection of buildings, coupled with the consequent easy contact between faculty, students and administrators, has led to a sense of community in the college that is not always found in university life.

Residence accommodation is provided for 250 students in a newly constructed townhouse complex.

Admission Requirements
Candidates should satisfy the general admission requirements outlined for the University of Toronto.

•Programs Offered
Scarborough College offers programs leading to 15 and 20-course Bachelor of Arts and Bachelor of Science degrees.

Library
The Scarborough College library, a branch of the University of Toronto library, contains over 125,000 volumes.

Fees
$115 per course plus incidental fees.

Further Inquiries
More information may be obtained from
L. Gordon
Admissions Advisor
Scarborough College
1265 Military Trail
West Hill, Ontario M1C 1A4

Trent University

Peterborough

President: T. E. W. Nind

Rolling hills, cedar, maple, elm, the Otonabee River, striking buildings, a wildlife sanctuary, space to wander alone, places to gather, books, computers, classrooms, pubs, labs, tennis courts, places for reflection, places for activity — all of these characterize Trent University.

Who are the students at Trent? Young adults fresh from high school, students who have spent time travelling or working, teachers, mechanics, housewives, office workers, even grandmothers and grandfathers beginning third or fourth careers. They come from Peterborough, Scarsdale, Cornwall and Moscow; Port Hope, St. Andrew's, Stoney Creek and Sheffield; Toronto and Yellowknife, Creemore and Cavan; Montreal, Edmonton, Sangudo, Eldorado. They bring different experiences and backgrounds, viewpoints and values. They come for as many reasons as there are people. The one thing they share is their experience at Trent.

The colleges of Trent have been an integral part of the university since its beginning in 1964 and each has its distinctive personality and design. The two original colleges, Peter Robinson and Catharine Parr Traill, are in the heart of the city of Peterborough and the three newer colleges are located at the northern edge of Peterborough on the Nassau Campus. The colleges provide residence facilities for 1,100 students. In addition to this role, they serve as the location for teaching offices of the faculty where small groups meet for tutorials and seminars. All members of faculty and all students, resident or non-resident, are members of one of the colleges. Julian Blackburn College, formed in 1975 and serving all part-time students, is also located on the Nassau Campus.

Twenty-two hundred students and 187 faculty members participate in more than 400 courses in 20 areas of study. Teaching and learning at Trent involves the exchange of ideas, the examination of accepted values and the consideration of new tentative points of view. Small tutorials are a feature of most programs. With eight or nine students taking part, the tutorials are small enough to facilitate communication, and large enough to provide a healthy range of viewpoint.

Enrolment 1975-76
Full-time 2,200

Special Programs
In addition to established areas of study, Trent has developed several special degree programs. One such program is Canadian studies, which concentrates on 20th century problems peculiar to Canada. Another is native studies, which treats the situation of native peoples in our society, past and present. A third is environmental resources studies, initiated to examine the environmental crisis currently facing us. These reflect interests that the university has had since its beginning over a decade ago.

General Degree Program
Established in 1970, this program is designed for students who do not wish to major in a particular discipline during their years of study at Trent. Interested students should consult the Co-ordinator of the General Degree Program during their first year of study.

Multi-Disciplinary Studies
The following programs were established in 1970 for students who had completed first year programs of study at Trent: social theory, development studies, Canadian studies, and environmental resources studies. There is also an innovative teacher education program run co-operatively with Queen's University. This four-year program gives students both a B.A. (or B.Sc.) and a B.Ed., certifying them to teach in either primary or secondary schools. Other programs are concerned with the problems of newly developing countries, fine arts, and science as it affects man.

Programs of Study
Trent offers programs leading to the degree of Bachelor of Arts or Bachelor of Science in the general (three years) or honours (four years) program.

•Disciplines Offered
General level:
Ancient history, anthropology, biology, chemistry, classical studies, economics, English, environmental resource studies, French, geography, German, Greek, history, Latin, mathematics, native studies, philosophy, physics, politics, psychology, sociology, Spanish.

Honours level:
Anthropology, biology, Canadian studies, chemistry, classical studies, economics, English, French, geography, German, Greek, history, Latin, mathematics, philosophy, physics, politics, psychology, sociology, Spanish.

Year 5 Admission Requirements
In order to be eligible for admission to Trent University, an applicant is required to achieve standing at a level acceptable to the university in a full year 5 program of studies. Because of the diversity of programs offered in secondary schools in Ontario, a full program is defined as that which is deemed by the school principal to be satisfactory for the purpose of granting an Ontario Secondary School Honour Graduation Diploma. No minimum number of years taken to achieve the standing is specified. Applicants who have spent more than five years in secondary school may be required to present a higher level of achievement.

With the exception of some language programs, there are no specified subject requirements for admission to arts programs. Applicants to science programs are advised to consult the year 5 requirements of individual disciplines as shown in the courses of study section of the Trent University calendar.

Library
Rising from the west bank of the Otonabee, the Bata Library is the hub of the university. With 250,000 books, plus magazines and journals, maps, aerial photographs and government documents, Trent's library is a major resource for the university and the community at large. The library provides quiet study areas for 800 students, as well as music listening rooms and language laboratories.

Financial Assistance
The university has a generous program of scholarships and assistance to students entering first or higher years with first class standing. Students of exceptionally high achievement and promise may be awarded a Champlain Scholarship which has an annual value of $1,980 for students living in residence and $1,100 for non-residents. Trent University Residencies, valued up to $500, are available to students living in one of the five residential colleges. Financial need and academic achievement in year 5 are the criteria for the award. The university calendar, available upon request, provides further details of Trent University's complete program of scholarships, awards and bursaries.

There is a Student Awards Office on campus at each college and university on Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office.

Residential Accommodation
The residential college system is at the heart of Trent University. Every student and every member of the academic staff is a member of a college in which they have an opportunity to live and work together in a relatively small academic community within the larger body of the university. Much formal academic work is done in the college, and various social and athletic organizations also exist within them. In the college communities, undergraduates find both formal academic guidance and the fellowship of other students and members of the academic staff.

Enrolment in each college includes representation from all disciplines and all years of study, and includes both resident members and members who live in apartments and lodgings in the city as well as students who live at home in the Peterborough area. Non-resident members of the colleges enjoy full use of the college facilities and take an active part in college life.

Annual Fees
Tuition $660
Residence fees, including meals
Single $1,635
Double $1,540
Townhouse $930 (excludes meals)
College affiliation fee for non-residents $85

Further Inquiries
Inquiries are welcome and should be directed to
Director of Admissions
Trent University
Peterborough, Ontario K9J 7B8

Inquiries about student awards should be directed to
Student Awards Officer
Trent University
Peterborough, Ontario K9J 7B8

Inquiries about university information programs should be directed to
Secondary School Liaison Officer
Trent University
Peterborough, Ontario K9J 7B8
Telephone (705) 748-1215

University of Waterloo

Waterloo

President: B. C. Mathews

The University of Waterloo is a multi-faculty institution offering programs in arts, engineering, environmental studies, integrated studies, mathematics, human kinetics and leisure studies, and science. Its enrolment has grown from 141 undergraduate students in 1957 to more than 15,300 undergraduate and 2,100 graduate students.

The university's 40 main buildings are located on an attractive 1,000-acre campus and include an art gallery, two theatres, a 4,000-seat gymnasium, a six-lane swimming pool, and the use of a stadium with a lighted football field. The university has one of the largest computer centres in North America.

The four church-related colleges associated with the university offer on-campus residence accommodation and administer courses in several disciplines. On-campus residence is also offered to single students in the non-denominational student villages and the Minota Hagey Residence for Graduate Students and to married students in the married student apartments. As well, off-campus housing for both single and married students is available through the University Co-operative Residence or through the Housing Office.

Enrolment 1975-76
Undergraduate 15,337

Academic Divisions
Faculty of Arts
Faculty of Engineering
Faculty of Environmental Studies
Faculty of Human Kinetics and Leisure Studies
Faculty of Mathematics
Faculty of Science
School of Architecture
School of Optometry
School of Urban and Regional Planning
Integrated Studies Program

Admission Requirements for 1977
For all programs, the university normally requires completion of a year 5 program comprising at least six year 5 credits leading toward the Ontario Secondary School Honour Graduation Diploma, with a minimum 60% overall average. The university expects to fill the majority of places available to year 5 applicants using the following criteria:

a) year 5 interim standing,
b) year 4 final standing and
c) principal's recommendation.

Applicants whose interim standing is not sufficient for admission will be considered on the basis of the year 5 final standings and qualified applicants will be admitted until the remaining places are filled.

Recommendations for Admission
Where the university has recommended certain courses to be included in the applicant's year 5 program, it means that it would be beneficial to the applicant in the first year of study at the university to have these courses as background. These are recommendations only and it does not mean that the applicant's admission will be jeopardized if the recommended courses are not taken.

Where specific requirements are stated, it is expected that applicants will include these requirements in their year 5 program.

Applicants who have spent more than the normal length of time in secondary school to complete their university preparation may be required to present a higher average for admission.

Since many of the programs offered at the university have limited enrolment, the possession of the minimum requirements does not in itself guarantee admission to any of the programs.

Regular and Co-operative Systems of Study
In addition to the traditional two-term, September to April school year which the university calls the regular system of study, some academic programs are offered under a co-operative system of study where the student spends alternating four-month terms on campus for academic study and with business, industry, or government for practical on-the-job training in the field of study. The co-operative program involves about half of the undergraduate population. The necessary arrangements for the work terms are handled by the Department of Co-ordination.

•Degree Programs and Subject Requirements

Bachelor of Arts
The Faculty of Arts operates under the course system whereby student progress is measured by courses successfully completed.

General program:
Students must successfully complete 15 courses as specified by the department. The following general programs are available: anthropology, classical civilization, drama and theatre arts, economics, English, fine arts (art), fine arts (music), French, geography*, German, Greek, history, Latin, medieval studies, philosophy, political science, psychology, religious studies, Russian, social development studies (Renison College), sociology, Spanish. There are no double majors or minors in the general program.

Non-major general arts program:
An arts student may graduate with a general arts degree (non-major) upon completion of 15 courses. Any normal first year arts program will satisfy the needs of a student contemplating a general arts (non-major) program. Such programs must be arranged through the Arts Faculty Undergraduate Office.

Honours program:
Four years in length. Students must successfully complete 20-24 courses as specified by the department. Honours programs are available in the following areas: anthropology, Canadian studies, classical studies, drama and theatre arts, economics, English, fine arts (art), French, geography*, German, history, Latin, medieval studies, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish. Students wishing to study a joint honours program should consult with an appropriate faculty member in the respective departments.

In general and honours programs the first year of study is a common one and students in their second year elect the program they wish to study.

Year 5 Preparation for the Bachelor of Arts Program
While any six year 5 credits qualify a student for admission, English is recommended, as are art subjects related to the program of study desired at university.

Bachelor of Applied Science
The Bachelor of Applied Science degree is offered through the Faculty of Engineering. Five honours programs in engineering are available: chemical, civil, electrical, mechanical and systems design. All programs are offered in the co-operative system of study. The Bachelor of Applied Science program is four and two-thirds years in length. In the first year there are three programs, each designed to prepare the first year student for specialized work in advanced years, but allowing maximum flexibility should a student wish to pursue a different course of study than originally contemplated.
General engineering: The first year program is a general introduction from which a student normally proceeds to a second year in civil, electrical or mechanical engineering.
Chemical engineering: First year courses are especially directed toward chemical engineering. Mathematics, physics and chemistry form the foundation of the first year program.
Systems design: Systems design engineering is the study of complex systems for the purpose of analysis, simulation, optimization, and, ultimately, design. The program is intended especially for advanced work in systems design; however, a student may proceed to civil, electrical, or mechanical engineering.

Year 5 Credit Preparation for Bachelor of Applied Science Program
In addition to the overall university requirements, students must present a 60% minimum average in relations and functions, calculus, algebra, physics and chemistry.

Applicants lacking either algebra or chemistry but who have a high overall year 5 standing will be considered for admission.

Bachelor of Environmental Studies
The Faculty of Environmental Studies is comprised of two professional schools (School of Architecture and School of Urban and Regional Planning) and two non-professional departments (Man-Environment Studies and Geography).

Students may be granted a Bachelor of Environmental Studies degree in the following programs: honours geography — four years; major in geography — three years; honours in man-environment studies — four years; honours in urban and regional planning — four years; architecture (pre-professional program) — three years co-operative system.

The professional Bachelor of Architecture degree is granted after two additional years of study following the completion of the Bachelor of Environmental Studies/Architecture pre-professional program. The professional Bachelor of Architecture program is on the rotating work/study co-operative system.

*Students may also pursue a geography program through the Faculty of Environmental Studies. Students should consult with their departmental advisor regarding the program requirements that will qualify them for consideration for admission to the corresponding Type A course at an Ontario College or Faculty of Education.

Year 5 Preparation for the Bachelor of Environmental Studies Programs
It is recommended that students present at least one year 5 mathematics course for admission to programs in environmental studies. It is recommended that applicants to the geography program include geography in their year 5 program.

For specialization in architecture, students must have successfully completed the prerequisites for the Ontario Secondary School Honour Graduation Diploma. The specific year 5 requirement is a 60% overall average in relations and functions, calculus, physics and English.

Selected applicants to the architecture and urban and regional planning programs may be required to attend an interview at the university.

Bachelor of Independent Studies
Integrated studies is an unstructured program where curriculum is developed by both the students and faculty members. Students are not required to enrol in regular classes or write regular examinations. They set their own goals and proceed toward them through independent research, course work, seminars and tutorials, special projects and field work, or any combination of these. Resource people assigned within the integrated studies unit are available to provide direction and advice to students. At least two terms prior to expected graduation, students apply to the Academic Board for Integrated Studies to have their degree candidacy accepted. The Bachelor of Independent Studies degree is granted to students who complete the program requirements.

Each applicant to integrated studies is considered on the basis of a personal interview with a committee composed of students, resource persons and staff. Those who show the strongest aptitude for independent study and the maturity necessary to be self-directing and to flourish in an unstructured academic environment will be given strongest consideration.

Bachelor of Mathematics
The Faculty of Mathematics offers pass, general and honours programs under the regular eight-month system of study as well as honours and general programs under the co-operative system of study. The Faculty of Mathematics operates under the course credit system whereby a student's progress toward a degree is measured in terms of courses passed.

Pass degree program:
Three years in length. Requires 16 credits with a minimum of six mathematics credits.

General program:
Four years in length. Requires 21 credits with a minimum of 12 mathematics credits. Beginning in their third year honours students must register in one of the following five programs: actuarial science, applied mathematics, combinatorics and optimization, computer science, pure mathematics, or statistics (including a program in actuarial science). Each of these departments offers a variety of programs.

Honours program:
Four years in length. Requires 24 credits with a minimum of 15 mathematics credits. Students select one of the following programs: actuarial science, applied mathematics, combinatorics and optimization, computer science, pure mathematics, statistics (including a program in actuarial science). A number of joint honours programs are also available, for example, mathematics and economics.

All mathematics students take algebra, calculus and computer science at either the honours or general level, plus three electives in their first year.

Co-operative program (honours or general):
Four and two-thirds years in length. The following programs are available: actuarial science, combinatorics and optimization, computer science, statistics. In addition to these there are five options open to co-operative students:
a) teaching
b) chartered accountancy
c) Registered Industrial Accountancy
d) business administration
e) applied mathematics — engineering
f) honours statistics — economics

The teaching option commences at the beginning of a student's second year, after completion of the first year of the regular program in mathematics and acceptance as a suitable teaching candidate. Work terms are spent in the secondary schools where students gain a feeling for the mathematics teaching profession. Students who qualify attend Althouse College of Education in London for a short period between their third and fourth years of university and, upon successful completion of the Althouse requirements and the four-year degree requirements, they will be awarded simultaneously an interim Type A teaching certificate and a Bachelor of Mathematics degree.

Students in the chartered accountancy option may choose their non-mathematics elective courses in such a manner that they will be able to write their final chartered accounting examination (through the Institute of Chartered Accountants) within a few months of graduation. Such students would spend their work terms with chartered accounting firms and, upon graduation, would be able to enter the chartered accountancy profession or any of the other numerous professions available to mathematics graduates.

Students who would like to combine business administration courses with their mathematics program should choose their courses according to the schedule set out in the academic calendar. The business administration courses are given by professors in the Department of Economics at the University of Waterloo and the School of Economics and Business Administration at Wilfrid Laurier University.

Year 5 Preparation for the Bachelor of Mathematics Program
In addition to the overall university requirements, students applying for admission to the regular program must submit at least a 60% overall average in the specific requirements: relations and functions, calculus, and algebra. Applicants lacking algebra but who have a high overall year 5 standing will be considered for admission.

For admission to the co-operative program, applicants must submit at least a 66% overall average in the specific requirements: relations and functions, calculus, and algebra.

Bachelor of Science (Dance)
Bachelor of Science (Kinesiology)
Bachelor of Arts (Recreation)
The Faculty of Human Kinetics and Leisure Studies offers three different honours programs. Both the kinesiology and recreation programs may be studied under either the regular or the co-operative system. The dance program is available only under the regular system.

The regular honours program is four years in length and the honours co-operative program is four and two-thirds years in length.

The dance program offers students the unique opportunity of studying dance from the perspective of the humanities, the social sciences, and the biological sciences, as well as that of the performing arts. This allows the student a wider range of career choices than do traditional programs.

The kinesiology program involves the study of human movement through the biological and psycho-social sciences. Laboratory, lecture and participation experiences provide the student with relevant exposure to real problems. A camping skills school and a ski school are fringe benefits. The program includes all of the necessary academic requirements, providing the student maintains a "B" average, for entrance into a college or faculty of education to qualify for the Type A High School Assistant's Certificate.

Kinesiology students will have two areas of concentration (options) open to them: kinesiological science and applied kinesiology. In addition, the Kinesiology Department offers an honours program in health studies.

The recreation program prepares the student for leadership in recreational activities through emphasis on the social sciences and the principles of administration, design and planning as they apply to the organized use of leisure. Graduates of the recreation program are eligible to receive the Ontario Interim Municipal Recreation Director's Type A Certificate.

The recreation program features four elective areas of concentration: leisure studies, outdoor recreation and education, recreation administration, and therapeutic recreation.

Year 5 Preparation for the Bachelor of Science (Honours Kinesiology, Honours Dance) and the Bachelor of Arts (Honours Recreation) Programs
Applicants electing the kinesiology program and/or health studies are advised to select a year 5 program with one or more of the following courses: biology, calculus, chemistry, physics. Applicants to the dance and recreation programs are encouraged to present diversified year 5 programs.

Bachelor of Science
The Faculty of Science operates under the course credit system where student progress is measured in terms of courses completed.

The three-year general science program requires a total of 15 courses. It is not necessary that a student designate a major subject. A student wishing to choose an area of specialization must enter the four-year general science program (requiring a total of 20 courses) and could then choose to major in biology, chemistry, earth sciences, physics or a general science and business program.

In the honours science programs, a minimum of 22 courses is required with specialization in biology; biology and chemistry; chemistry; chemistry (environmental studies option, mathematics option, physics option); earth sciences; earth sciences and geography; physics; physics (business administration option) and theoretical physics. A non-major honours science program is also available.

Co-operative honours programs:
Three programs are offered under the co-operative system of study: applied chemistry and applied physics, which begin in first year and earth sciences, which begins in the second year following a regular first year science program. These programs provide the student with sound academic training in conjunction with practical experience such as that gained in industry and governmental agencies.

School of Optometry program:
This is the only English language optometry program in Canada and students enter it after completing first year of the regular science program. They then take four years of professional studies. Because of limited enrolment, applications to the first professional year are considered on an individual basis. Graduating students receive a Doctor of Optometry degree (O.D.). The program is accredited by the Council on Education of the American Optometric Association.

Year 5 Preparation for the Bachelor of Science and Optometry Degree Programs
In addition to the general university requirements, students must present a 60% overall average in the following specific subjects: relations and functions, calculus, and two science courses, one of which must be physics or chemistry. Applicants are advised to include both chemistry and physics in their year 5 program.

Applicants to the co-operative applied physics program must present a 70% overall average in mathematics and physics.

University of St. Jerome's College
St. Jerome's College is federated with the University of Waterloo and registers undergraduate students in arts, certain programs in environmental studies, and regular mathematics. St. Jerome's offers a unique perspective in its wide range of courses and its students enjoy all the privileges of the university while participating in a smaller college atmosphere. Thirty-five full-time professors teach a complete range of arts courses. St. Jerome's is known for its academic excellence as well as for its residential spirit. Students earn University of Waterloo degrees because the college holds its degree granting rights in abeyance according to the terms of the federation agreement.

Renison College
Renison College offers both men and women the intimacy of life in a small residential community combined with the resources of the larger university.

Courses are available in two areas:

a) The social development studies program, featuring interdisciplinary work in psychology, social work and sociology. Community involvement is an integral aspect of this program.
b) General arts, including courses in English, French, geography, psychology, religious studies, and sociology.

Conrad Grebel College
Conrad Grebel is a Mennonite residential and teaching college which became affiliated with the university in 1961. Courses open to all university students are offered in arts, history, music, religious studies, sociology and peace studies.

St. Paul's College
St. Paul's United College is a small teaching and residential community. It offers a limited number of credit courses in religious studies. Residence life provides a valuable contribution to university experience. Through a program of athletics, community dinners, congregation and interest groups, members of the college and associates participate in a vital and enriching community.

Libraries
Arts library — 573,000 volumes and periodicals. Engineering, mathematics and science library — 210,000 volumes and journals. Environmental studies library — 40,000 maps, 4,000 books and reports.

Tuition and Incidental Fees for Full-Time Students
Arts (per eight-month session) $679.30
Engineering (per co-operative four-month term) $421.45
Environmental studies (per eight-month session) $678.80
(per co-operative four-month session) $399.70
(per co-operative four-month term — architecture) $417.20
Human kinetics and leisure studies (per eight-month session) $680.30
(per co-operative four-month term) $400.45
Mathematics (per eight-month session) $679.30
(per co-operative four-month term) $399.95
Science (per eight-month session — optometry included) $678.30
(per co-operative four-month term) $399.45
Integrated studies (per eight-month session) $674.30

Residence Fees (Single, double)
Student Village I and II $1,640, $1,530
Conrad Grebel College $1,480
Renison College $1,640, $1,530
St. Jerome's College $1,600, $1,500
Notre Dame College $1,600, $1,500
St. Paul's College (semi-private) $1,450
The above fees are for an eight-month academic session. Co-operative students are assessed per term at 50% of the above rates. All rates include meals.

Further Inquiries
Inquiries concerning admission requirements should be directed to
Mr. B. A. Lumsden
Associate Registrar (Admissions and Records)
University of Waterloo
Waterloo, Ontario N2L 3G1

Information concerning student awards may be obtained from
Mr. D. L. Kasta
Student Awards Officer
University of Waterloo
Waterloo, Ontario N2L 3G1

Secondary School Liaison Officer
Mr. S. J. Little
University of Waterloo
Waterloo, Ontario N2L 3G1

Telephone (519) 885-1211

The University of Western Ontario

London

President: D. C. Williams

The University of Western Ontario, one of Canada's oldest universities, will celebrate its 100th anniversary in 1978. Located on 400 acres just one mile from the centre of London (population 240,000), Western has incorporated its gothic style architecture with modern structures.

Ontario's second largest university in enrolment, Western has a wide range of undergraduate courses and programs from which to choose. The School of Business and the professional faculties, including engineering, law and medicine, have all been ranked among the best in the country by outside appraisers.

Western is also a top research institution where students have the opportunity to work with professors doing research on cancer, radio science, chemical physics, archaeology, the psychology of family crisis, privacy and computers, solar energy, and the geography of the future — to touch on just a few of the 2,000 government funded research projects now underway at UWO.

While Western's primary goal is the maintenance of academic excellence and the intellectual growth of both faculty and students, social and athletic development are also key components of the educational process. The new recreation and athletic building, with an indoor track, ice rink and tennis court, gives everyone a chance to keep fit and have fun.

The university is a community within a community, with plenty of opportunities for students to meet at the community centre, the well-known concert hall, and the art gallery.

Enrolment 1975-76
Full-time 17,992

Faculties and Schools
Faculty of Arts
Faculty of Dentistry
Faculty of Education
Faculty of Engineering Science
Faculty of Graduate Studies
Faculty of Law
Faculty of Medicine
Faculty of Music
Faculty of Nursing
Faculty of Physical Education
Faculty of Science
Faculty of Social Science
School of Business Administration
School of Journalism
School of Library and Information Science

Colleges affiliated with Western are: Brescia (Roman Catholic), Huron (Anglican), and King's (Roman Catholic).

General Requirements for Admission
Effective September 1977, applicants from Ontario year 5 seeking admission to The University of Western Ontario will be required to submit, in the form of numerical grades, a minimum of six year 5 credits in accordance with the prescriptions detailed below, and a minimum final average of 60%. An acceptable year 5 program will include:

a) one credit in English;
b) one credit in one of French, a foreign language, or mathematics; and
c) one credit each in two of the following subject areas: biology, chemistry, English, foreign languages, French, geography, history, mathematics, music, physics; and
d) at least two other credits, for a total of six, from the subject areas specified above, or from those approved by the Ministry of Education in accordance with Circular H.S.1;
e) credits in at least four different subject areas, e.g. mathematics, Latin, chemistry, English.

The possession of these minimum requirements does not guarantee admission to all first year university programs.

•Degree Programs and Subject Requirements

Bachelor of Arts
General program:
Three years from senior matriculation in arts, music, physical education, science, secretarial and administrative studies, social science, visual arts.

Honours program:
Four years from senior matriculation in anthropology, business administration, classics, economics, English, French, geography, German, history, mathematics, modern languages, music, philosophy, physical education, political science, psychology, sociology, Spanish, visual arts, or combinations of certain of these.

Year 5 Requirements for Admission to the First Year of the Faculty of Arts
Appropriate standing in six year 5 credits, including year 5 English and one year 5 math or a foreign language.

Year 5 Requirements for Admission to the First Year of the Faculty of Physical Education
Appropriate standing in six year 5 credits including year 5 English and one of year 5 math or a foreign language. Year 5 biology is strongly recommended.

Year 5 Requirements for Admission to the First Year of the Faculty of Social Science
Appropriate standing in six year 5 credits, including year 5 English and one of year 5 math or a foreign language. A second language would be valuable. Students interested in economics, geography, psychology and sociology are strongly urged to complete at least two credits in mathematics including one credit in calculus, and to explore computer science where this subject is available.

School of Business Administration
Students seeking admission to the program in honours business administration may apply after the successful completion of the first two years in any faculty. However, students must have included three required courses: full introductory college mathematics; introductory economics; and Business 257, a second year accounting course.

Year 5 Requirements for Program in Secretarial and Administrative Studies
The program in secretarial and administrative studies requires appropriate standing in six year 5 credits, including an introductory course in typewriting, year 5 English and one of year 5 math or a foreign language.

Doctor of Dental Surgery
Students in the following categories are eligible to apply for admission to the first year of the four-year program in the Faculty of Dentistry: those who are in or who have successfully completed a second year program at Western, or an equivalent second year at another university, provided that the program has included a minimum of four honours courses or equivalent within the first ten courses completed. All applicants must have successfully completed one full laboratory course in each of biology, chemistry, physics and organic chemistry. Priority consideration shall be given, all other things being equal, firstly to Canadian citizens who are resident in Ontario; secondly to Canadian citizens resident elsewhere and to all landed immigrants irrespective of the province in which they reside; and thirdly, to all others. (One position may be available for students supported by the Canadian International Development Agency or a similar agency).

Bachelor of Engineering Science
Four years beyond senior matriculation. Specialization is possible in the five terms in chemistry, civil, electrical or mechanical engineering and materials science.

Year 5 Requirements for Admission to Bachelor of Engineering Science Program
Calculus and one other credit in mathematics, together with standing in at least one other science subject (algebra, physics and chemistry are strongly recommended), and year 5 English are required.

Bachelor of Laws
Three years following the successful completion of at least two full years beyond Ontario year 5 in a recognized university.

Faculty of Medicine
Requirements for Admission to the Doctor of Medicine Program
Admission to the first year of the four-year program in the Faculty of Medicine is based on successful completion of a second year program at an Ontario university, provided that the program has included a minimum of four honours courses or equivalent within the first 10 courses attempted. All applicants must have successfully completed one full laboratory course in each of biology, chemistry, physics and organic chemistry and are advised that it is to their advantage to have successfully completed one course in behavioural science. (The Admissions Committee will consider applications from candidates who were Ontario Scholars and who achieve exceptional standing in first year programs in the Faculty of Science at The University of Western Ontario).

Priority is given, all other things being equal, to Canadian citizens or landed immigrants who are residents of southwestern Ontario and those areas of Ontario not serviced by an Ontario medical school. Applications will not be accepted from applicants who are not Canadian citizens or landed immigrants. (Two positions may be available for students supported by the Canadian International Development Agency).

Programs in Communicative Disorders, Occupational Therapy and Physical Therapy
Each program is of four years duration, the first year of communicative disorders and physical therapy being a preparatory year in the Faculty of Science or Faculty of Social Sciences.

Occupational therapy accepts applicants from year 5. Enrolment in each program is severely limited. The degree granted is the Bachelor of Science, B.Sc., with the designation O.T., C.D., or P.T.

Faculty of Music
Year 5 Requirements for Admission to the Bachelor of Music or to the General Program with Music Options
The Faculty of Music offers the Honours Bachelor of Arts with music options (four years) and the Bachelor of Music (four years), the three-year Bachelor of Arts (Music) and the three-year Bachelor of Musical Arts. For each program the first year is common and the admission requirements are:

a) six year 5 credits including English and one of math or a foreign language,
b) an audition and
c) a general musicianship test.

Note: Students must arrange an audition by contacting the Faculty of Music early in 1977.

Bachelor of Science (Home Economics)
Three years from senior matriculation. Specialization is offered in food and nutrition, or textiles, clothing and design.

Year 5 Requirements for Admission to Bachelor of Science (Home Economics)
Appropriate standing in six year 5 credits including chemistry and biology, English, and one of year 5 math or a foreign language. Year 5 math is strongly recommended.

Bachelor of Science in Nursing
Four years from senior matriculation. Specialization is offered in nursing and service administration, nursing education or public nursing.

Year 5 Requirements for Admission to Bachelor of Science in Nursing
Appropriate standing in six year 5 credits including chemistry and biology, English, and one of math or a foreign language. Year 4 math is required.

Bachelor of Science
Honours program:
Four years from senior matriculation. Available in anatomy, applied mathematics, astronomy, bacteriology and immunology, biochemistry, biophysics, chemistry, computer science, genetics, geology, geophysics, mathematics, pharmacology, physics, physiology, plant sciences and zoology.

General program:
Three years from senior matriculation with majors available in applied mathematics, biology, chemistry, chemistry and biology, chemistry and geology, computer science, geology, geophysics, mathematics and physics.

Year 5 Requirements for First Year of Natural Sciences Program
Year 5 English and one of year 5 math or a foreign language. Every B.Sc. program in the Faculty of Science must include a first year course in mathematics for which the prerequisite are two credits in year 5 mathematics, including one in calculus. In most instances this course must be completed prior to progression to second year.

Bachelor of Social Work
Four years from senior matriculation. Admission is open to any student with qualifications for admission to a degree program at Western. Students must be registered at King's College for the final three years of the program and are advised to complete their first year studies at King's College. Enrolment in the program is limited.

Limited Enrolment
Restrictions on enrolment are apparent within the following programs: communicative disorders, dentistry, engineering science, home economics, law, medicine, music, nursing, occupational therapy, physical and health education, physical therapy secretarial science, social welfare and visual arts.

Brescia College
Brescia College is a residential women's college under Catholic auspices affiliated with The University of Western Ontario. It has given over half a century of service to the communities of London, of Canada, and of the world. Students, faculty and board members are representative of all faiths and creeds.

Brescia has a beautiful campus with space for quiet reflection and a comfortable residence. Brescia students share in all university activities: academic, social, athletic and cultural. Certain courses are taken at the university or at the other affiliated colleges. Some classes in the college are co-educational. Predominantly a women's college, it offers to its students unique opportunities in leadership and self-government.

Brescia College strives for better education through personal contacts, professional excellence, academic counselling, small classes and seminars.

For further information please contact
Mrs. M. E. Arnold
Registrar
Brescia College
1285 Western Road
London, Ontario N6G 1H2
Telephone (519) 432-8353

Huron College
Established in 1863, Huron College is the founding college of The University of Western Ontario. It is an undergraduate, co-educational, residential, liberal arts college affiliated with The University of Western Ontario, and situated immediately adjacent to the main university campus.

With slightly more than 500 students, half of whom live in residence, the college's relatively small size fosters a sense of community, ensures that classes are generally small and makes possible close working relationships between students and faculty. The college's academic affiliation with Western means that its students obtain a University of Western Ontario degree and that all the academic and social resources of the university are fully open to them. Thus they not only take courses taught within the college but can also select courses within their program from those taught at the university itself. They can participate in extra-curricular activities within both the college and the university.

For further information please contact
Miss J. Catharine Ridley
Registrar
Huron College
1349 Western Road
London, Ontario N6G 1H3
Telephone (519) 438-7224

King's College
King's College is a co-educational university college offering courses in arts, social sciences and social work. Through its affiliation with The University of Western Ontario, King's is an integral part of the university community and students' programs often combine courses given on the main campus with those taken at the college. Last year King's College had a student enrolment of 865.

Person-centered education is the goal at King's: seminar and dialogue-oriented classes; close relationships between students and professors; quality programs; the easily formed friendships of the King's community; student representation on all administrative bodies of the college.

Facilities available on the King's campus include residence, lounges, recreation rooms, chapel, library, classrooms, and cafeteria service.

At King's, townhouse residences are available. These smaller home-like units are a marked contrast to the usual residential complexes.

For further information please contact
Mr. John H. Campbell
Registrar
King's College
266 Epworth Avenue
London, Ontario N6A 2M3
Telephone (519) 433-3491

Libraries
The university libraries contain more than 2,500,000 items and receive annually more than 10,500 periodicals.

Residence Accommodation
The residences of the university and its affiliated colleges provide accommodation for about 20% of the students registered at the university for the regular academic session. Information regarding these residences will be forwarded to all freshmen at the time of their application and may also be requested from
Manager
Residence Admissions and Off-Campus Housing.
Stevenson-Lawson Building, Room 65
The University of Western Ontario
London, Ontario N6A 5B8

Westminster College is a United Church sponsored residential college for 200 students. For information please write to
Mr. Neil A. Campbell
Dean of Residence
Westminster College
1476 Richmond Street
London, Ontario N6G 2M2

Annual Tuition Fees
Arts, business, engineering, physical education, science and social science programs $662.50
Dentistry (professional years) $847.00
Education $664.00
Engineering (second, third and fourth years) $772.50
Law $672.50
Medicine (professional years) $847.50
Music $672.50
Nursing $637.50
Occupational therapy $682.50
Physical therapy, communicative disorders $637.50
Social work $662.50
(These fees include student activity fees totalling $74.)

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the university.

The university publishes a list of admission awards, scholarships and bursaries in the composite calendar.

Further Inquiries
For additional information concerning any aspect of admissions, programs, the provision of special lectures by the Discipline Resource Centre, the pre-admission academic counselling program, or to visit Western, please contact
Mr. George L. Hartsell
Associate Registrar, Secondary School Liaison
Stevenson-Lawson Building, Room 180
The University of Western Ontario
London, Ontario N6A 5B8
Telephone (519) 679-2326

Mr. James W. T. Wilgar
Associate Registrar: Admissions
Stevenson-Lawson Building, Room 165
The University of Western Ontario
London, Ontario N6A 5B8
Telephone (519) 679-2390

For information and application forms for student awards and loans, write to
Director of Financial Aid
University Community Centre, Room 32
The University of Western Ontario
London, Ontario N6A 3K7

Wilfrid Laurier University

Waterloo

President: Frank C. Peters

Founded in 1911, Wilfrid Laurier University is pledged to developing sound professor-student dialogue. By limiting its undergraduate enrolment to about 1,600 in the Faculty of Arts and Science, 900 in the School of Business and Economics, and 100 in the Faculty of Music, WLU is small enough for students to get to know one another and their professors.

The university attracts faculty interested in teaching, with senior faculty members instructing first year courses. Student-faculty research is stressed by having students and their professors participate in such ventures as seminars in the Near East, archaeological digs at home and overseas, and science studies in the Maritimes. Language students have the opportunity for first hand experience in different cultures through an exchange program with the University of Mannheim in Germany and French-speaking universities in Canada and Europe. Students in the Faculty of Music general and honours programs receive weekly individual lessons from members of the Stratford Festival Ensemble.

Academic excellence is continued at the graduate level, where Master's programs are offered in business administration, geography, history, political science, psychology, religion and culture, romance languages, social work, and theology.

In addition to the teaching facilities with modern lecture rooms and laboratories, the campus houses a new athletic complex with an Olympic-length swimming pool, a five-storey library, and the student union building. The campus residences, accommodating 669 students and normally available to all students, are close to all facilities, stimulating an atmosphere of intimacy and community.

Enrolment 1975-76
Full-time undergraduate 2,667

Faculties and Schools
Faculty of Arts and Science
Faculty of Graduate Studies
Faculty of Music
Faculty of Social Work
School of Business and Economics
Waterloo Lutheran Seminary

Admission Requirements
Admission from year 5 to the university will be based on the following criteria:

a) year 5 subjects sufficient to qualify the applicant for an Ontario Secondary School Honour Graduation Diploma plus the specific program requirements as outlined below,
b) an academic standing based on the applicant's record of the last two years, and
c) a recommendation from the secondary school principal.

Specific Program Requirements
Specific program requirements that must be included in the year 5 course of studies are as follow:

a) B.A. general program: English recommended.
b) B.A. honours program: English recommended. The applicant must possess the minimum subject standing(s) specified by the department in which he or she wishes to pursue honours studies. Minimum year 5 average of 60%.
c) B.Sc. general program: mathematics (2 credits) and any two of physics, chemistry, or biology.
d) B.Sc. honours program in biology: mathematics (2 credits) and any two of physics, chemistry, or biology. A minimum average of 66% is required in mathematics and sciences.
e) Bachelor of Business Administration or B.A. in Economics honours programs: English and mathematics (2 credits) recommended. Minimum year 5 average of 60%.
f) B.Mus. honours program: Minimum year 5 average of 60%. Additional qualifications are required for prospective students in
   1) B.Mus. —Grade 2 theory, Royal Conservatory of Music, or its equivalent.
   2) piano and organ —a minimum level of Grade 9 piano, Royal Conservatory of Music, or its equivalent.
   3) voice or instruments other than organ or piano —Grade 6 piano, Royal Conservatory of Music, or its equivalent. An applicant who is unable to meet this admission requirement must attain the equivalent level of piano proficiency by the end of the second year in the program.

All prospective students must have an audition-interview with the faculty, to be arranged by appointment by April 30, 1976.

The applicant will be required to take a musical aptitude test, a written theory test, and to perform two compositions in contrasting styles in his or her own performance medium. All documentary evidence of the applicant's musical background and examination results should have been sent to the Office of the Registrar before this interview. Late applicants will be considered if space permits.

•Degree Programs

Bachelor of Arts
General program:
Three years (15 courses). Majors available in anthropology, archaeology, biology, Canadian studies, chemistry, classics (Greek and Latin), economics, English, fine arts, French, geography, German, history, mathematics, music, philosophy, physical education, physics, political science, psychology, religion and culture, sociology, Spanish, urban studies, values education, and world literature.

Honours program:
Four years (20-24 courses). Available in anthropology, archaeology, economics, economics with finance and accounting options, economics (mathematics option), English, French, geography, German, German area studies, Greek, history, Latin, philosophy, political science, psychology, religion and culture, sociology and Spanish. Many combinations of the foregoing are available.

Bachelor of Business Administration
Available as an honours program (four years, 24 courses). Students may also combine studies with options in biology, chemistry, economics, mathematics, or physics.

Co-operative option: The undergraduate business administration degree program now offers a co-operative option. Co-operative students begin their alternating sequence of work and study terms at the end of the second year. Normally, a student would accumulate 12 months of practical work experience and graduate four months after students in the regular sequence. Students apply for the co-operative option during the fall of their first year of studies.

Bachelor of Science
General program:
Three years (15 courses). Majors available in biology, chemistry, mathematics, physics and physical geography.

Honours program:
Four years (20 courses). Available in biology, with possible concentration in ecology, taxonomy, general botany, general zoology, pre-medicine, or pre-dentistry.

Bachelor of Music
Honours program:
Four years (20 courses and participation in at least one choir or ensemble each year). Students may follow the Honours B.Mus. degree without specialization or choose to specialize in performance, baroque music, or church music. Courses are offered in theory, history, elementary music education, and performance (21 instruments and voice are offered).

Library
The library houses over 400,000 items, including 250,000 volumes, as well as subscriptions to over 5,000 journals.

Year 4 Scholarship Program
Since 1966 Wilfrid Laurier University has offered a number of summer session scholarships to students who are completing year 4. The students selected come to the campus about July 1 and take any two first year courses over a period of six weeks. The student holds degree credit for courses passed in the summer session. Successful candidates must:

a) obtain a minimum average of 75% at the end of year 3 and on interim year 4 marks,
b) be recommended by their principal,
c) have spent no more than four years in secondary school,
d) agree to attend summer session, taking any two first year courses, and
e) be enrolled in a full year 4 program (university stream) which will qualify them for enrolment in year 5.

Successful applicants will be offered:

a) summer session scholarships, covering tuition, to take any two first year courses during the six week summer session (begins about July 1),
b) admission to the first year of the B.A. program in September, if a grade point average of 7.00 (B–) is obtained in the summer courses,
c) eligibility for a limited number of university scholarships ($400 per year) if a GPA of 10.00 (A–) is obtained in the summer courses.

Students will advance to a general B.A. degree in three years or honours B.A. degree in four years beyond year 4. In certain cases students may be admitted to general science. Students may return to year 5 if they wish at the end of the summer session. Applications must be submitted by April 1 using the OUAC 101 form, available in secondary schools.

Tuition Fees
Full-time students $620
Business administration (2nd, 3rd and 4th year) $645
Residence fees (including meals five days per week)
Double rooms $1,420
Single rooms $35 extra

Further Inquiries
Inquiries about admission requirements should be directed to
Mr. Keith Rae
Assistant Registrar (Admissions)
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Inquiries about secondary school liaison and general university information should be directed to
Mr. Arthur Stephen
Director of Liaison
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Mrs. Helene Amster
Liaison Officer
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Information about student awards and loans may be obtained from
Mr. H. K. Braden
Director
Student Awards
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Telephone (519) 884-1970

University of Windsor

Windsor

President: J. F. Leddy

The Ambassador Bridge connecting Windsor with Detroit has often been chosen by the university to symbolize the particular character of the university campus. As a bridge to learning and opportunity, the University of Windsor has been developing with the vigour of youth since its outgrowth from Assumption University which gives it, at the same time, traditions dating back more than a century.

The university includes the federated Assumption University and three affiliated colleges: Holy Redeemer, Canterbury and Iona.

Enrolment 1975-76
Full-time 7,000

Faculties and Schools
Faculty of Arts
Faculty of Business Administration
Faculty of Education
Faculty of Engineering
Faculty of Graduate Studies
Faculty of Human Kinetics
Faculty of Law
Faculty of Science and Mathematics
Faculty of Social Science
School of Computer Science
School of Dramatic Art
School of Nursing
School of Social Work

General Admission Requirements
A full year 5 program as approved by the secondary school. The subjects required vary according to the university program which the student wishes to enter.

Early admission will be granted to applicants for the fall of 1977 on the basis of:
a) the total secondary school performance,
b) year 5 term and interim marks, and
c) principal's recommendation.

Students with 36% or better in a program oriented towards university studies in Ontario year 4 or equivalent may apply for the preliminary year at the University of Windsor in lieu of year 5. Students who have already attempted year 5 are not eligible for preliminary year.

•Degree Programs and Subject Requirements

Bachelor of Arts
General course:
Three years, with majors available in anthropology, art history, Asian studies, classical civilization, communication studies, comparative literature, drama, economics, English, fine arts, French, geography, German, Greek, history, home economics, Italian, Latin, linguistics, mathematics, music philosophy, political science, psychology, religious studies, Russian, sociology, Spanish, Ukrainian, urban studies.

Honours course:
Four years, with majors available in anthropology, art history, Asian studies, classical studies, communication studies, comparative literature, drama, economics, English, French, geography, German, Greek, history, home economics, international relations, Italian, Latin, Latin-American studies, linguistics, mathematics, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish, urban studies, and combinations of these.

Year 5 Requirements for Admission to Bachelor of Arts Program
A full year 5 program as indicated above. For programs involving languages, the year 5 level of the appropriate language is normally required or recommended; mathematics 1 is required and mathematics 2 and 3 are recommended for a general mathematics major, honours mathematics, or honours philosophy and mathematics; mathematics 1 is required for honours economics and mathematics; mathematics 1 and physics are required for honours psychology and science.

Bachelor of Science
General course:
Three years with majors in biology, chemistry, geology, mathematics, physics, pre-medicine, pre-dentistry, pre-optometry.

Honours course:
Four years; available in biology, chemistry, geology, mathematics, physics, and combinations of these.

Year 5 Subject Requirements for Admission to Bachelor of Science Programs
A full program at the year 5 level with an overall average of 60%.
For majors in chemistry: Mathematics 1 and 2; two or more of biology, chemistry, physics, geology, or an additional mathematics; 60% in mathematics and science is required.
For majors in geology: At least two of biology, chemistry, geology, mathematics 1, 2, 3, physics; an average of 60% in mathematics and science is required.
For majors in mathematics: Mathematics 1 with all three mathematics recommended. An average of 60% in math subjects is required.
For majors in physics: One credit in mathematics and additional credits in mathematics and physics recommended.
For majors in biology (including pre-medicine, pre-dentistry, pre-optometry): Mathematics and at least two of biology, chemistry, geology, physics, one other mathematics. An average of 60% in mathematics and science is required.

Bachelor of Fine Arts
Four years with specialization in either fine arts or drama.

Year 5 Requirements for Admission to Bachelor of Fine Arts Program
A full program at the year 5 level. For specialization in drama, successful completion of an audition is also required; auditions are normally held on certain dates during the spring.

Bachelor of Music
Four years, with specialization in either history and theory, school music or applied music.

Year 5 Subject Requirements for Admission to the Bachelor of Music Program
A full program at the year 5 level and audition by the Music Department to consist of performance and written test on music theory.

Bachelor of Musical Arts
Three years, with wide option in music course selection under supervision of academic counsellors. Emphasis is on freedom of choice and on designing a program to suit the individual student's interest and background.

Year 5 Subject Requirements for Admission to Bachelor of Musical Arts Program
A full program at the year 5 level.

Bachelor of Science in Nursing
Four years from year 5; three years for candidates with professional nursing qualifications. A one-year diploma program in public health nursing is offered for professional nurses.

Year 5 Subject Requirements for the Bachelor of Science in Nursing Program
A full program at the year 5 level including biology (English and chemistry are recommended), with an overall average of 60%. Completion of the OSSGD is required including English, chemistry, math and physics. An interview with the School of Nursing is also required.

Bachelor of Social Work
Four years from year 5.

Year 5 Requirements for Admission to the Bachelor of Social Work Program
A full program at the year 5 level.

Bachelor of Computer Science
General program: Three years.
Honours program: Four years.

Year 5 Subject Requirements for the Bachelor of Computer Science Program
A full program at the year 5 level is recommended, including 60% in mathematics 1, 2, and 3.

Bachelor of Human Kinetics
Four years. Specialization in kinesiology, applied kinesiology, health studies, physical education.

Year 5 Subject Requirements for the Bachelor of Human Kinetics
A full program at the year 5 level with an overall average of 60%; an English and science course in year 5 are suggested.

Bachelor of Applied Science
Four years, including one common year followed by three years of specialization in one of: chemical, civil, electrical, geological, industrial or mechanical engineering, or engineering materials.

Year 5 Subject Requirements for the Bachelor of Applied Science Program
A full year 5 program with an overall average of 60%; functions and relations, algebra, physics and chemistry are strongly recommended.

Bachelor of Commerce
Four years, with emphasis on business and economic affairs with specialization in accounting, administrative studies, finance, management science and marketing.

Year 5 Subject Requirements for the Bachelor of Commerce Program
A full year 5 level program; mathematics 2 and 3 are strongly recommended.

Bachelor of Laws
Three years following a Bachelor of Arts degree or the equivalent, or following at least two years of university (a minimum of five years from year 5). Applications should be made to the Faculty of Law, University of Windsor. Year 5 subject requirements for a student considering law are the same as for a Bachelor of Arts program.

Bachelor of Education
Three programs to prepare for certification to teach in Ontario schools from grade 1 to year 5.
a) Consecutive program, one year in length.
Admission Requirement: An approved degree from an accredited university;
b) Two concurrent programs:
1) four years, leading to general bachelor's degree of student's faculty, and Bachelor of Education degree.
2) five years, leading to honours bachelor's degree of student's faculty, and Bachelor of Education degree.

Admission Requirements: A full year 5 program.

Library
The library contains 700,000 volumes.

Annual Fees
Full-time students:
Preliminary year $685
Arts, science $650
Music, fine arts, nursing, communication arts $655
Dramatic art (plus an audition fee of $10) $655
Commerce, social work $650
Computer science $650
Human kinetics $660
Law $665
Engineering $720
Education $642.50
The University of Windsor and its affiliates own and/or operate a total of seven residences for men and women, plus a central food complex to service these residences. Residence fees vary with the plan selected.

Further Information
Inquiries about admission requirements should be directed to
Mrs. Rosary Carney
Assistant Registrar (Admissions)
University of Windsor
Windsor, Ontario N9B 3A9

Inquiries about student awards and loans should be directed to
Mrs. Marie Renaud
Office of Student Awards
University of Windsor
Windsor, Ontario N9B 3A9

Information on other aspects of the university and on university information programs for secondary schools may be directed to
Mr. Joe Saso
Secondary School Liaison Officer
Windsor Hall
University of Windsor
Windsor, Ontario N9B 3A9

Telephone (519) 253-4232

York University

Toronto

President: H. Ian Macdonald

From a first year class of 76 in 1960, York has developed into one of the largest universities in Ontario, with a current student population (full-time and part-time, undergraduate and graduate) of about 28,000. An innovative and distinct alternative to tradition, York has pioneered and continues to emphasize the college system, interdisciplinary studies and general education before specialization.

York University has two campuses in Metropolitan Toronto. Glendon College, a small liberal arts college emphasizing Canadian studies in a bilingual and bicultural atmosphere, occupies an 84-acre campus at Bayview and Lawrence Avenues. Some 13 miles away is the 600-acre main campus, the York Campus, where a large, multifaculty university is being developed. Here, some 28 academic and allied buildings have been completed to date, including seven colleges and their associated residences, buildings for the physical, biological and behavioural sciences, administrative studies, a theatre-auditorium, a dance and visual art building, physical education centre, libraries, lecture hall buildings and graduate residences. Osgoode Hall Law School, now the Faculty of Law of the university, moved into its new building on the York Campus in 1969.

Special study and research facilities are available in experimental space science, behavioural research, environmental quality, and transportation studies. A distinctive academic program for part-time degree students is offered by the Joseph E. Atkinson College. Non-degree courses are offered through the Centre for Continuing Education.

Enrolment 1975-76
Full-time undergraduate 11,156

Faculties and Schools
Faculty of Administrative Studies
Faculty of Arts
Faculty of Education
Faculty of Environmental Studies
Faculty of Fine Arts
Faculty of Graduate Studies
Faculty of Science
Osgoode Hall Law School of York University
Glendon College
Centre for Research in Experimental Space Science
Centre for Research on Environmental Quality
Institute for Behavioural Research
York University Transport Centre

General Requirements for Admission 1976
Applicants for admission to the university must have completed a full year 5 program certified by the school as appropriate in terms of content and achievement for a university degree program, with standing in all year 5 subjects.

In addition to the academic record, the university requires a report from the high school. Candidates are advised that the holding of the

published admission requirements means only that they are eligible for selection.

Candidates from the United States must present Scholastic Aptitude Test scores, both verbal and mathematical, offered by the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540.

Bachelor of Arts in the Faculty of Arts
The Faculty of Arts at the York Campus offers programs of study leading to the Bachelor of Arts degree at the ordinary and honours levels, on a full or part-time basis. Degrees may be taken in the traditional disciplines, in interdisciplinary (thematic) studies and in individualized studies.

The student is introduced to the Faculty of Arts through a balance between disciplinary and interdisciplinary courses. Within the first seven courses (a normal full-time program consists of five courses per year), the student examines three interdisciplinary areas: humanities, social science, and natural science. As well, the student takes a college tutorial (maximum 18 students per tutorial)—allowing for experience with the small seminar setting. Students may take up to three disciplinary courses in their first year and have the option of either declaring a major subject in the first or second year of study. Electives may be selected from courses offered by other faculties at York.

•Programs of Study
Arts offers ordinary (15 courses—normally 3 years) and honours (20 courses—normally 4 years) programs of study in the following subjects: anthropology, computer science, economics, English, geography, German, history, Italian, linguistics, mathematics, philosophy, physical education (honours only), political science, psychology, Russian, sociology, Spanish.

In addition, the following thematic studies programs are offered in general honours: African studies; Canadian studies; classical studies; creative writing (arts—fine arts); East Asian studies; human resources development; Latin American and Caribbean studies; law and society; philosophy and history of science; religious studies; social and political thought; urban studies.

In an ordinary program, students take four or five courses in their major and select their remaining courses in accordance with the requirements of the Faculty of Arts and their own interests.

In an honours program, students pursue their studies within one of the following five formats:

a) specialized honours—students specialize in one subject by taking eight to ten courses in their major program
b) combined honours—students elect to major in two subjects, taking six courses in the first major and four in the second, or five in each
c) general honours—students take six courses in one major subject
d) general honours: thematic programs—students take a six-course major in one subject and six additional courses within their chosen thematic area
e) general honours: individualized studies—students take a course of study designed around a theme or problem that interests them. Planned by the student in consultation with a faculty adviser.

Winter-Summer Session
As an alternative to beginning university in September, the Faculty of Arts offers a winter-summer session for first year students. Entering students may commence their studies in January and complete their first academic session in August.

Year 5 Requirements for Bachelor of Arts Program
To be eligible for admission, Faculty of Arts applicants must achieve a minimum overall average of 60% in any six year 5 credits.

Bachelor of Business Administration in the Faculty of Administrative Studies
A four-year honours undergraduate program. Students enter the program at the third year level and spend third and fourth years concentrating on business subject areas. For entry into the program, students must be eligible to proceed into third year in an honours program, having taken prerequisite courses in mathematics and economics.

Bachelor of Fine Arts and Bachelor of Arts in the Faculty of Fine Arts
The Faculty of Fine Arts offers a four-year honours program with specialized honours and general honours programs. Specialization occurs in the following areas:
Department of Visual Arts — studio art (painting, sculpture, printmaking, design, drawing, photography), art history.
Department of Dance —performance, choreography, notation, criticism, teaching, dance therapy, history.
Department of Film —film production and film studies.
Department of Music —composition and improvisation, early music (performance and literature), jazz studies, world music (performance and literature).
Department of Theatre —performance, production and design, drama studies.

Evaluation Procedure
In addition to the regular requirements for admission to the university, the Faculty of Fine Arts requires an evaluation of an applicant's suitability for any of its departments. The requirements for each department are detailed in the York University Undergraduate Calendar. It is the applicant's responsibility to make an appointment for evaluation. Applicants from Ontario, but residing some distance from Toronto, should note that the Faculty of Fine Arts will make every effort to have evaluators see them close to their homes. Applicants will be advised of the location and dates of these evaluations.

Requirements for Admission to the Faculty of Fine Arts
Students may select any six year 5 subjects deemed acceptable by their school for the purpose of entrance to the university, with a minimum overall average of 60%. Applicants will also be required to offer appropriate evidence of aptitude or achievement by satisfying the evaluation procedure for the department to which application is intended.

Applicants of any age who do not hold the full year 5 or equivalent requirements may request special consideration if they can show evidence of high achievement in one or more of the several arts, and if they can satisfy the Senate Committee on Admissions and the Faculty of Fine Arts that they have a reasonable chance of success in both the academic and the professional portions of the university program of their choice.

Bachelor of Arts at Glendon College
Ordinary programs:
Three years with majors available in economics, English, French, history, political science, psychology, philosophy, sociology and Canadian studies. Students may undertake specialized honours studies in any of these subjects (other than Canadian studies) or combined honours studies in any two, or in French and Spanish.

General honours:
Programs are available to enable students to select a pattern of study not otherwise available to Bachelor of Arts honours candidates. Students complete at least six courses in one department and select the remaining courses in consultation with that department to form an effectual pattern of studies. General honours programs have been formally mounted in Canadian studies, international studies, and in social, political and economic thought.

Year 5 Subject Requirements
Applicants may select any six year 5 subjects deemed acceptable by their school for the purpose of entrance to the university.

English-speaking applicants to the bilingual program should normally have at least 60% in year 4 French or standing in year 5 French or equivalent, but some places are available in French language courses for which little or no previous preparation in French is required.

For students entering the unilingual stream, the normal year 5 admission prerequisites apply.

Atkinson College
Atkinson College, the evening Faculty of Arts and Science at York University, offers courses leading to four undergraduate degrees: Bachelor of Arts degree (both ordinary and honours), the Bachelor of Science degree (ordinary), the Bachelor of Arts degree (administration/honours), and the Bachelor of Social Work degree (honours). In addition to the customary arts program, there are programs in administrative studies, Canadian studies, fine arts, humanities, science, social work, and urban studies. The college operates on the course-credit, not the year, system. In summer, courses are offered during the day as well as in the evening. Courses are the equivalent of day-time courses, although not necessarily identical to them and are given mainly by the full-time Atkinson faculty. Classes are held on both the York and Glendon Campuses of the university.

Faculty of Education
York's Faculty of Education offers a concurrent program in which students pursue their academic and professional studies simultaneously. Students co-register in the Faculty of Education and in either the Faculty of Arts, Science, Fine Arts, or Glendon College. In other words, students work toward a B.A., B.Sc., or B.F.A. degree while at the same time looking toward a B.Ed. degree. With co-registration, an extra year is added to the normal length of the academic degree. Consequently, an ordinary degree (B.A./B.Ed., B.Sc./B.Ed., B.F.A./B.Ed.) takes four years; an honours degree takes five years. Further teacher education is not necessary upon graduation.

During the first year of academic study at York (or equivalent), students may apply to co-register in one of the following programs of the Faculty of Education: communication arts; education of exceptional students; fine arts—visual arts; French as a second language; Judaic studies

options: man and culture; man and society; man in nature, physical education (health and recreation); quantitative methods

Successful completion of any one of the combined B.A./B.Ed., B.Sc./B.Ed., or B.F.A./B.Ed. programs leads to recommendation for certification in Ontario as an elementary or secondary school teacher.

Bachelor of Science in the Faculty of Science

Both specialized honours programs (120 credits minimum) and ordinary programs (90 credits minimum) are offered in biology, chemistry, computer science, mathematics, physics, psychology, and applied computational and mathematical science. Specialized honours programs only are offered in physical education and in earth and environmental science.

Combined honours programs (120 credits minimum), in which the student may choose to major in a combination of two or three subjects, are available.

An honours science program (120 credits minimum), without specialization, is also offered.

The curriculum for the liberal science program (90 credits minimum) is designed to meet the growing need for a general education. It includes a strong base in science, particularly for those students who have an interest in science, but who do not intend when they enrol as undergraduates to pursue careers in science. The program permits maximum flexibility in the selection of courses offered by the Faculty of Science and by other faculties of the university. Students may continue their studies in the program to graduation or, as their interests develop, elect to apply to transfer into either another B.Sc. degree program or other programs leading to professional careers in fields such as economics, political science, and business administration. Indeed, such careers, based on a scientific rather than an arts background, may better fulfill the country's developing needs in an increasingly scientific and technological age.

Requirements for Admission to the Faculty of Science

Applicants for admission to the honours, ordinary and liberal science B.Sc. programs in the Faculty of Science must present six year 5 credits, with an overall average of at least 60%. Those intending to pursue honours and ordinary science programs are advised to select chemistry, physics and two credits of mathematics at the year 5 level.

Bachelor of Laws at Osgoode Hall Law School

Candidates for this program must have successfully completed either three years of an approved university degree course following year 4 or two years of an approved university degree course following year 5, or have been awarded a degree in an approved program from a recognized university, and have satisfied all other requirements that may be prescribed.

Part-Time Daytime Studies

Each of the faculties, other than the Faculty of Administrative Studies, offers the opportunity for students to pursue studies on a part-time daytime basis.

Applicants should request, from the Admissions Office, information regarding the regulations pertaining to part-time studies in each faculty.

Libraries

The York libraries hold 1,188,500 items including 575,000 microfilm by reel, and 600,000 microsheet by piece.

Annual Fees

The tuition fee for full-time undergraduate students in the 1975-76 session was $660.
Part-time studies (Atkinson College) $130 per course
Residence fees including meals (approximate)
Double rooms $1,125; single rooms $1,200
Only a limited number of single rooms are available to first year students. Fees are subject to change without notice.

Further Inquiries

Inquiries about admission requirements should be addressed to
Mr. J. A. S. McNeil
Director of Admissions
York University
4700 Keele Street
Downsview, Ontario M3J 2R3
Telephone (416) 667-2100

For information about student awards and loans, please contact
Miss Kaye MacDonald
Assistant Registrar (Awards)
York University
4700 Keele Street
Downsview, Ontario M3J 2R3

Schools Liaison
Mr. L. Davies
Assistant Director of Admissions (Liaision)
York University
4700 Keele Street
Downsview, Ontario M3J 2R3
Telephone (416) 667-2334

Schools Liaison Officer for Glendon College
Mlle T. Boutin
Glendon College
2275 Bayview Avenue
Toronto, Ontario M4N 3M6
Telephone (416) 487-6211

Ontario College of Art

Toronto

President: Paul D. Fleck

The Ontario College of Art is dedicated to providing its students with a visual education at an advanced level. Indeed, its prime purpose is to educate those who will earn a livelihood as professional artists and/or designers. Some graduates will proceed to related fields; others to quite disparate vocations but with an increased sensitivity to the visual arts, a sensitivity which will richly enhance their own lives and the lives of those around them. The college curriculum reflects the view that the visual arts, no less than the liberal arts, are an avenue to an understanding and appreciation of one's self, of one's culture, and of the world.

The college had its beginnings in 1876. Located at its present site since 1922, it has grown over the years to a campus which has seen several major additions to the original Grange Building, as well as the acquisition of a number of remodeled old houses and rented warehouse space immediately adjacent to the college. The physical facilities include a wide variety of studios, lecture/seminar rooms, and work stations. The many well equipped shops and studios include wood, metal, plastics, foundry and casting, ceramics, textiles, film and video, photography, light laboratory, reproduction and typography, and printmaking. The college includes one of the largest specialized art and design libraries in Canada and a gallery run by students solely for the exhibition of student work.

Enrolment 1975-76
Total 1,200

Undergraduate Program
The Ontario College of Art is one of the few colleges in North America devoted to the education of the artist and the designer; certainly it is by far the largest of its kind in Canada. It enjoys the reputation of having produced more outstanding professional artists and designers than any other Canadian college or university art department.

The college grants the A.O.C.A. Diploma (Associate of the Ontario College of Art) upon graduation from the four-year program.

First year students take a common curriculum of Foundation Studies, a curriculum which is concerned with the heightening of perception and awareness, and with the development of concepts of visual creativity. Foundation Studies exposes students to a variety of approaches, ideas, media, materials, methods, processes and applications.

Following Foundation Studies, students may choose one of two approaches. They may select a generalist program which will allow them to select their courses freely from among all of the offerings available in the various departments, or they may select a specialist program which will allow concentration on a particular area or areas of study within a single department.

Specialist programs of study may be undertaken in the Department of Fine Arts, Experimental Arts, Photo-Electric Arts, Communication and Design, Product and Systems Design, and Design.

Through all four years, the curriculum is supported by the Resource Studies area which consists of the Department of Liberal Arts Studies and the Department of Technological Studies.

The individual is paramount at the Ontario College of Art. Students have their own advisor and every effort is made to help them develop a program particularly suited to their own educational background, experience, and talents, as well as to their future goals. All of this takes place in the context of a very exciting metropolis abounding in those kinds of experiences and facilities which are of very special value to the future artist and designer.

Graduate Program
The Ontario College of Art offers a fifth year of study to students holding the A.O.C.A. Diploma or its equivalent. The program is designed to provide students with a year of intensive study in one of the fields of concentration offered in the college program. A statement certifying the nature and duration of the study is provided at the end of the year.

Part-Time Programs and Evening Class Programs
The college can accommodate a limited number of students taking part-time programs of study within the regular daytime program.

A variety of credit courses is offered during the evenings and in the summer. Admission requirements, evaluation procedures, etc. for credit courses are the same as those applying to students in the full-time program.

Admission Requirements
Candidates for the A.O.C.A. Diploma must possess the minimum academic admission requirements of the Ontario Secondary School Graduation Diploma or its equivalent. Due consideration is given to additional academic achievement, relevant experience, and specialized education in art or design. Applicants lacking this academic standing may be admitted as mature students if they are at least 21 years of age. A portfolio is required and an interview is strongly recommended. Applications for admission in 1977 will be closed June 1, 1977. Overseas applications will be closed March 31, 1977.

Transfer of Credits to the University of Guelph

Bachelor of Arts Degree
For students possessing the admission requirements for the University of Guelph, the completion of each year at the Ontario College of Art carries some transfer credit. Those who graduate with the A.O.C.A. Diploma can expect credit for up to one and a half years of Guelph's three-year Bachelor of Arts degree. Because of the trimester system available at the University of Guelph, OCA undergraduates can complete the balance of the credits required for the Bachelor of Arts degree by attending four spring semesters, usually May 1 to August 15. In short, it is possible for a student to obtain both the A.O.C.A. and the Bachelor of Arts degree in four full years of study.

Annual Tuition Fee
Total $475

Financial Assistance
There is a Student Awards Office on campus at each college and university in Ontario. Students in financial need may apply for assistance from a variety of sources.

Full-time students may be eligible for loans and/or grants under the Ontario Student Assistance Program and the Canada Student Loans Plan. Part-time students can apply for provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details of any bursaries or scholarships offered by the College.

Further Inquiries
For further information, interested students are invited to write to
Joan Brabant
Registrar
Ontario College of Art
100 McCaul Street
Toronto, Ontario M5T 1W1
Telephone (416) 366-4977

Teacher Education

General information concerning courses offered and admission requirements follows in this section of *Horizons*, but it should be noted that these regulations may be subject to change. For further information and application forms for admission, applicants should write to the faculty school, or college of education of their choice.

•How to Qualify as an Elementary School Teacher

Students wishing to prepare themselves for a teaching career in an elementary school may apply for admission to a faculty, school, or college of education, if they have the necessary qualifications.

The colleges, faculties or schools of education at Brock University, Lakehead University, Laurentian University, Nipissing College, the University of Ottawa, Queen's University, the University of Toronto, The University of Western Ontario, the University of Windsor, York University and the Ontario Teacher Education College offer courses for students who wish to qualify as elementary school teachers.

The Faculty of Education, University of Ottawa, and the School of Education, Laurentian University provide teacher education programs for those who wish to teach in schools or classes having French as the language of instruction.

Courses and Admission Requirements

For admission in September 1977 to courses leading to certification as an elementary school teacher, the requirements stated below for faculties, schools, or colleges of education will be in effect.

Courses for Teaching in English Language Schools

Basic One-year Course

An applicant for admission in September 1977 to one-year programs leading to elementary school teacher certification in Ontario, will be required to submit evidence of successful completion of an approved university degree in arts or science, or a degree deemed equivalent.

Special Courses

In addition to the basic courses previously mentioned, for which the regular admission requirements apply, specialized courses are offered at some institutions, if there is a sufficient number of applicants.

For applicants having a high level of proficiency in oral French, in addition to the basic one-year course, an optional course which leads to a Certificate as Teacher of French to English-Speaking Pupils in Elementary Schools may be given. (This course may be offered by the colleges or faculties of education at the universities where the elementary teacher education program is offered).

Information about the eligibility of certified teachers for summer school courses in the teaching of French may be obtained from the Teacher Education and Certification Branch, Ministry of Education, Mowat Block, Queen's Park, Toronto, Ontario M7A 1M7.

Courses leading to an Elementary Vocal Music Certificate, Type B, may be offered at colleges where the number of applicants justifies their establishment. (This program may be offered at the colleges and faculties of education at universities where the elementary teacher education program is offered).

Admission to University Faculties, Colleges or Schools of Education

To be eligible for elementary school teacher certification in Ontario, an English-speaking applicant wishing to pursue a course in teacher education offered by the faculty or college of education of a university must meet the admission requirements of that institution and must complete successfully an approved academic degree program in arts or science, in addition to a year of professional training. (For details of admission requirements for degree programs, see the sections in *Horizons* on specific universities.)

For admission requirements for elementary school teacher certification valid in French language schools or classes, an applicant should write to the Admissions Officer at the School of Education, Laurentian University or the Faculty of Education, University of Ottawa.

An applicant who wishes to enrol at a university offering a program in professional education for prospective elementary school teachers should write to the Admissions Officer or to the Dean of the faculty or college of education of the university for information regarding admission requirements and courses.

•How to Qualify as a Secondary School Teacher

Teachers of Academic Subjects

To become a qualified teacher of academic subjects in a secondary school, a student must have an approved university degree with standing in at least 15 full credit academic courses beyond year 5 or equivalent and must qualify for an Interim High School Assistant's Certificate, Type B, by successfully completing a teacher education course at an Ontario faculty, school, or college of education.

Students who are interested in taking a four-year or honours program at university may qualify for a Type A Certificate, as specialists in a subject.

The Type A subjects classified as academic include the following: agriculture, anthropology, anglais, art, biology, chemistry, computer science, drama, economics, French, German, home economics, Italian, Russian, Spanish, English, français, geography, geology, Greek, history, Latin, mathematics, music, modern languages, political science, psychology, science, sociology, and theatre arts.

Teachers of Vocational Subjects

Teachers of technical or occupational (practical) subjects in the vocational or occupational classes of a secondary school must show evidence of at least year 4 or equivalent standing and approved, practical, wage-earning experience in a skilled trade directly related to the specialized subject field.

Candidates for admission to the course offered at a faculty, school, or college of education leading to a vocational or occupational (practical) certificate are required to meet standards of technical proficiency.

Detailed information regarding minimum admission qualifications, available courses, professional experience required and course content is available from the following sources:

Director
Technical and Industrial Arts Department
Faculty of Education
University of Toronto
371 Bloor Street West
Toronto, Ontario M5S 2R7

Associate Registrar
Faculty of Education
The University of Western Ontario
1137 Western Road
London, Ontario N6G 1G7

Co-ordinator of Technical Education
Faculty of Education
Queen's University
Kingston, Ontario K7L 3N6

Teachers of Special Subjects

In addition to the basic academic and vocational certificates valid in secondary schools, supplementary certificates are required for the teaching of certain special subjects demanding specialized knowledge, training or experience.

Examples of such subjects are art, guidance, home economics, industrial arts, library, music, and physical and health education.

Information regarding qualifications for these certificates is available from
Teacher Education and Certification Branch
Ministry of Education
Mowat Block, Queen's Park
Toronto, Ontario M7A 1M7

Fees

In 1976-77 a tuition fee of $585 will be levied at the Ontario Teacher Education College. Fees will vary somewhat at faculties, schools, or colleges of education, with student activity fees included.

Financial Aid

Assistance based on financial need and actual students' costs is available under the Ontario Student Assistance Program. (See introductory section on financial assistance for details). Further information on financial aid is available from the Principal of the Ontario Teacher Education College or from the Student Awards Officer of the university to which the student is applying.

Living Accommodation

Student teachers attending the Ontario Teacher Education College or a university away from home can obtain from the college (after July 1) or from the housing bureau of the university a list of convenient boarding houses. For residence accommodation at university, students who are interested in living on campus should apply early. (See introductory section on students' costs for details).

Application for Admission

An application form for admission to a faculty, school, or college of education may be obtained from
Ontario Teacher Education College—Hamilton
1400 Main Street West
Hamilton, Ontario L8S 1C7
Principal: R. H. Brayford
Telephone (416) 528-7049

Ontario Teacher Education College—
Toronto
951 Carlaw Avenue
Toronto, Ontario M4K 3M2
Principal: J. Bain
Telephone (416) 461-6351

College of Education
Brock University
St. Catharines, Ontario L2S 3A1
Dean: R. Moase
Telephone (416) 684-7201

Faculty of Education
Lakehead University
Thunder Bay, Ontario P7B 5E1
Dean: J. T. Angus
Telephone (807) 345-2121

School of Education
Laurentian University
Ramsey Lake Road
Sudbury, Ontario P3E 2C6
Dean: J. Martineau
Telephone (705) 675-5647

Faculty of Education
McArthur Hall
Queen's University
Kingston, Ontario K7L 3N6
Dean: V. S. Ready
Telephone (613) 547-3264

Faculty of Education
Nipissing College
College Education Centre
P.O. Box 5002
North Bay, Ontario P1B 8L7
Dean: A. J. Johnson
Telephone (705) 474-3450

Faculty of Education
(English and French Programs)
University of Ottawa
75 East Laurier Avenue
Ottawa, Ontario K1N 6N5
Dean: L. P. Desjarlais
Telephone (613) 231-3960

Faculty of Education
University of Toronto
371 Bloor Street West
Toronto, Ontario M5S 2R7
Dean: John C. Ricker
Telephone (416) 928-3223

Faculty of Education
The University of Western Ontario
1137 Western Road
London, Ontario N6G 1G7
Dean: E. Stabler
Telephone (519) 679-3292

Faculty of Education
University of Windsor
600 Third Concession Road
Windsor, Ontario N9E 1A5
Dean: A. S. Nease
Telephone (519) 969-0520

Faculty of Education
York University
4700 Keele Street
Downsview, Ontario M3J 1P3
Dean: R. Overing
Telephone (416) 667-6301

The Certified General Accountants Association of Ontario

Toronto

Executive Director: Herbert H. Perry

Certified General Accountants are members of Canada's second oldest accounting organization (incorporated in 1913) and are found in such positions as company officer, general manager, treasurer, comptroller, and chief accountant.

Through the CGA Association a course of study is offered which will prepare students to become direct participants in management. They will study such management subjects as financial management, information systems, and comptrollership. The CGA program offers the things most people want from their job—an occupation that is held in high regard by the community, challenge, job satisfaction and a salary level which matches it.

Graduation qualifies a person for the designation CGA and membership in the association.

Enrolment 1975-76
Total 7,000

Curriculum
The course is national and all subjects, other than provincial statutes, are identical in each province. Students may transfer from province to province without any disruption in their study program. The course covers the broadest range of financial management subjects and includes accounting, business and statute law, mathematics of finance, managerial statistics, financial accounting, cost accounting, economics for management, information and computer systems, advanced accounting theory, audit theory, taxation, specialized accounting, financial comptrollership, audit application, and organizational behaviour.

A change in the fifth level of the program now permits undergraduates to choose one area of specialization in their final year. They will study advanced courses in one of the following areas: financial accounting, controllership, taxation or auditing.

The study program was developed and is constantly updated by university professors from different universities in Canada, in conjunction with the Faculty of Commerce and Business Administration of the University of British Columbia and officials of the Course Administration Committee of the CGA.

Study Program
The program is primarily on a correspondence basis and is supplemented by lectures in sixteen areas located throughout the province, generally in universities and colleges.

Course Emphasis
The course places more emphasis upon financial management than upon cost accounting or auditing.

Student Salaries
A salary survey conducted in December 1975 showed CGA salaries both for the students and the graduates to be at a high professional level with average increases of 15% since the previous salary level survey was taken in 1974. This is indicative of the steady and increasing demand for accountants with a broad educational background who have more versatility than someone who is specialized in a narrower field. The median salary reported by CGA members in 1975 was $23,000.

Admission Requirements
The national minimum entrance requirement is year 4 (grade 12) or equivalent. Applicants must have a knowledge of algebra or enrol for a CGA correspondence program in preparatory mathematics. Approximately 50% of those entering the course do so after having graduated from university or college. Students of the CGA program may select the type of business in which to be employed and gain their practical experience. The choice is entirely theirs. All applicants must be residing in Canada.

Modular System
CGA has a modular system of study which enables students to vary their subject sequence to suit the demands of their employer and personal needs.

Also available is a cassette coaching program with pre-recorded study/review material. Examination reprints with comments and suggested solutions are also available.

Services
Undergraduates and members participate in and benefit from very active local chapter associations. CGA also operates a career counselling service, a research department, a comprehensive library, and provides its members with their own professional magazine and optional continuing education courses in supervisory techniques and management communications.

Further Information
Registrar
The Certified General Accountants
Association of Ontario
25 Adelaide Street East
Toronto, Ontario M5C 1Y6
Telephone (416) 366-6501

The Institute of Chartered Accountants of Ontario

Toronto

Executive Director: Thompson Merrilees

In recent years chartered accountancy has become one of the most rapidly expanding professions in Ontario. The demand for CAs in public practice, as well as in business, industry, government and education, reached such a high level that membership in the Institute more than doubled from 5,000 in 1962 to nearly 11,300 in 1976.

The chartered accountant is trained as a professional public accountant. As members of The Institute of Chartered Accountants of Ontario—the qualifying body under the Public Accountancy Act—they are eligible for a public accountant's licence. In addition, CAs may, after they have qualified, choose to leave public accounting and many hold senior positions in a variety of other fields.

The Institute, which was founded in 1879, trains and examines candidates for the profession and regulates the professional standards of its members and students. Only members of the Institute can call themselves chartered accountants and use the designation CA.

Student Body
In 1975 the Institute registered more than 1,100 new students—a record total which will most likely be exceeded in 1976. The student body totals 3,500 this year and it is anticipated that the Institute will have about 3,700 students in 1976.

The profession is also attracting an increasing number of female students, since accountancy is a field which offers equally rewarding careers to men and women.

Admission Requirements
University graduation is the basic admission requirement to the program of study leading to the CA designation.

Students must register with the Institute and obtain employment in the office of a practicing chartered accountant to start three years of practical experience. They must also complete, at a designated university, the 45 semester hours of business and related subjects specified by the Institute.

If students have taken any of the specified courses as part of any undergraduate or graduate program, they will be granted advanced standing in that subject and will not be required to repeat the work.

Exceptional students may qualify for a reduced practical experience requirement, from three to two years. Details are available from the Institute.

After completion of the above program, students must complete the Institute's School of Accountancy, a four-week summer program covering special professional requirements not taught at universities, before they attempt the final examinations.

A conditional registration procedure will permit non-university graduates to register with the Institute and to take their university classes

part-time while employed by a firm of chartered accountants, but they must complete their university degree in order to write the final examinations.

Waterloo Co-operative Program
A special program is available at the University of Waterloo which enables students to obtain an honours mathematics degree and CA membership in alternating work-study semesters. Interested students can consult the University of Waterloo section of *Horizons* in which co-operative programs are described, or get details from the Institute.

Deadline for Registration
Students register with the Institute as soon as they are employed by a practicing firm. Applicants must also comply with the university registration dates for extramural students enrolling in degree courses. Details should be obtained from the university chosen by the applicant.

Fees
Students can obtain information about university course fees directly from the university of their choice.

In addition, students must pay the Institute's registration fee of $35 when they enter the program, plus an annual fee of $60. The fee for the Ontario Institute School of Accountancy is $360 and the final examination fee is $215.

Student Salaries
Chartered accountancy students are full-time employees of practicing firms. The salaries paid to them are fully competitive with salaries which may be offered in any other positions open to them.

Further Inquiries
For further information, please contact
Director of Education
The Institute of Chartered Accountants
of Ontario
69 Bloor Street East
Toronto, Ontario M4W 1B3
Telephone (416) 962-1841

Society of Industrial Accountants of Ontario

Executive Director: E. W. Scott

The Society of Industrial Accountants of Ontario is a non-profit organization created to serve Canadian business and dedicated to furthering the profession of management accounting.

Incorporated in Ontario in 1941, the Ontario Society is one of ten affiliates of the Society of Industrial Accountants of Canada, through which its nationwide educational programs are administered.

Of the 40 chapters in operation across Canada, 24 are located in Ontario. Each holds monthly meetings of major interest to those involved in the management accounting profession.

Enrolment 1976-77
Ontario 8,000

The RIA Management Accountant's Course
The society's professional education course is the only program which specializes in the field of industrial and management accounting. It leads to a nationally recognized designation, the RIA (Registered Industrial Accountant), upon completion of a five-level study program. The RIA course teaches the concepts and techniques of management accounting, including related subjects in law, statistics business management and other accounting, including related subjects in law, statistics and business management and other relevant areas of financial management and control.

The course and its examination procedures are uniform in all Canadian provinces. This means that a student who moves from one province to another may continue studies without interruption. In Ontario the RIA evening lecture course is conducted at nine universities and 15 community colleges in cooperation with the society.

Universities
Brock, Carleton, Lakehead, Laurentian, McMaster, Toronto (Erindale, St. George and Scarborough Campuses), Western, Windsor and York.

Community Colleges
Algonquin, Cambrian, Canadore, Conestoga, Confederation, Durham, Georgian, Lambton, Loyalist, Mohawk, Northern, St. Lawrence, Sault, Seneca and Sir Sandford Fleming.

The RIA course is also available by correspondence.

Admission Requirements
Year 4 graduation is the usual academic minimum for admission to the first level of the RIA program. However, students with post-secondary standing in equivalent subjects may enter at an advanced stage.

Proof of academic standing must be submitted with all applications for admission or exemption.

Applications for enrolment may be considered from mature students who might not otherwise qualify for admission.

Specific course exemptions are granted on the basis of individual application to the provincial society in whose jurisdiction the applicant resides.

The basic criterion for exemption is that candidates for the RIA program do not have to repeat equivalent courses taken at other recognized institutions (ordinarily granted on the basis of marks earned on formal examinations).

Graduates of other professional associations, universities and colleges, particularly of business and accounting programs, are usually eligible for several exemptions. The modular structure of the RIA program permits maximum flexibility in the granting of exemptions.

Student Salaries
Salaries range upwards to $16,000 for fifth level students.

Other Services
The society recognizes three classes of membership: registered, general and student. Anyone taking the RIA course automatically becomes a student member, and as such, can take advantage of the many services provided to assist students. At the national office in Hamilton, a comprehensive library and research facility is maintained. A bi-monthly magazine, *Cost and Management*, carries articles written by experts in their field to cover all aspects of accountancy. A comprehensive post-graduate education program and a placement service to assist members seeking positions are also available.

Further Inquiries
For further information please contact
Registrar
Society of Industrial Accountants
of Ontario
25 Adelaide Street East, Room 617
Toronto, Ontario M5C 1Y2
Telephone (416) 363-8191
or
Society of Industrial Accountants
of Ontario
154 Main Street East
Hamilton, Ontario L8N 1G9
Telephone (416) 525-4100

Centralia College of Agricultural Technology

Huron Park

Principal: J. A. MacDonald

Centralia College is located 25 miles north of London in the Huron Industrial Park which was formerly the Canadian Forces Base, Centralia. The college opened in October 1967 and offers two-year diploma courses in agricultural business management, animal health technology, food service management, fashion and community home economics.

Enrolment 1975-76
Total 280

•Programs Offered
Two-year courses from September to April each year.

Agricultural Business Management
This course is primarily designed to assist rural youth to become successful farm operators. The educational program is also geared for graduates to take related positions with commercial companies, in government service, as commercial farm managers, etc. Emphasis is placed on business management throughout the course of study. A full-year farm analysis project gives students extensive training in real farm situations while they are still enrolled at the college.

Animal Health Technology
The course is designed to provide trained technical personnel to perform necessary tests to assist veterinarians in accurate diagnosis and efficient treatment of animal disease. Graduates will be employed by large animal practitioners, small animal hospitals, government agencies and laboratories.

Food Service Management
A combination of academic and practical subjects pertaining to food service management are taught to prepare students for challenging careers as supervisors or managers in the food service industry. Emphasis is placed upon management principles and production techniques related to the hospitality and institutional environments. The rapidly expanding hotel and restaurant industry, as well as hospitals and other health care facilities and educational institutions, require graduates who are knowledgeable in the organization and function of food service. Graduates are qualified to work as food service supervisors in hospitals and other health care institutions and are eligible for membership in the Canadian Food Service Supervisors Association.

Fashion
Through a combination of academic and practical subjects in fashion, and in addition to studies in the behavioural sciences related to the consumer, students are prepared for interesting careers in fashion retailing, pattern and fabric promotion, and as home sewing consultants. With further experience, students may follow careers in fashion co-ordinating, bridal counselling, fashion copy writing and advertising layout.

Community Home Economics
This is a general course in home economics, with emphasis upon family and consumer studies. Graduates will be able to work as home economics technicians in public and private health care and social service agencies, as paraprofessionals in educational institutions, as technicians in consumer information bureaus, government departments and in agencies overseas.

Admission Requirements
All courses require an Ontario Secondary School Graduation Diploma (27 credits). Older students are assessed on an individual basis.

Facilities
Accommodation is provided in residences on campus.

Extensive recreational facilities contribute to the enjoyment and development of the students. There is an artificial ice arena as well as bowling lanes, a gymnasium, track, and ball diamond.

Fees
Tuition $200 per year
Room and meals $19 per week (includes nine meals). Additional meals are provided at reasonable charge.

Total cost per year including tuition, residence, meals and books is approximately $950.

Student Awards
A number of bursaries, scholarships and other financial awards are available from various organizations and municipalities. Students may also be eligible for assistance under the Ontario Student Assistance Program.

Further Information
For further information, please contact
Principal
Centralia College of Agricultural Technology
Huron Park P.O.
Ontario N0M 1Y0
Telephone (519) 228-6691

Kemptville College of Agricultural Technology

Kemptville

Principal: John D. Curtis

Post-secondary courses leading to diplomas in agriculture and food and fashion are offered at the Kemptville College of Agricultural Technology. This residential, co-educational college was founded as the Kemptville Agricultural School in 1917.

Adjacent to the town of Kemptville, 30 miles from Ottawa, the campus occupies part of some 800 acres of college property. Experimental plots, orchards, gardens and dairy and beef herds provide facilities for study, research and demonstration.

Enrolment 1975-76
Total 250

Admission Requirements
The Ontario Secondary School Graduation Diploma or equivalent is required for admission to the courses leading to a diploma in agriculture or food and fashion.

A student who has completed, at the secondary or post-secondary level, the equivalent of a course offered by the college, may request advanced standing in that subject.

An applicant unable to meet the above academic requirements for admission may submit an application as a mature student. Such application should include all pertinent information which will justify special consideration.

•Diploma Courses Offered

Agriculture
Four semesters are usually required to cover the diploma curriculum. A beginning student may register for either of the two junior semesters. It is not necessary to proceed directly from one semester to the next, and the choice of taking one or two semesters per year is open to the student. Semesters begin in September and January. Mature students may register for credit as full-time students, or as part-time students, taking individual subjects.

Food and Fashion
Four semesters are usually required to cover the diploma curriculum. The objective of the course is to prepare students for entry into the food service and/or fashion industry in a management capacity. A beginning student may register for either of the two junior semesters. It is not necessary to proceed directly from one semester to the next, but the choice of taking one or two semesters per year is open to the student. Semesters begin in September and January. Mature students may register for credit either for the entire course or for individual subjects.

Residential Life
The Kemptville College of Agricultural Technology will provide accommodation for full-time students wishing to live on campus.

Bell Hall, the larger of the two residences, provides accommodation for 200 students in double rooms. In addition, there is a large recreation area equipped with stereo and colour television. Each floor is provided with lounges.

The Women's Residence accommodates 68 students in double rooms. There is also an attractive lounge, a reading room, hobby room, TV room, kitchen and laundry facilities. Food and clothing labs are also in this building.

Student Awards
A number of bursaries presented by charitable organizations, municipalities, and individuals are available to deserving students. Special awards, scholarships and prizes, amounting to several thousands of dollars are generously donated by benefactors. Students may also apply for loan-grant assistance under the Ontario Student Assistance Program. For details see the introductory section on financial assistance for students.

Fees
Tuition (per semester) $100
Rooms and meals, student activity fees, books, and miscellaneous expenses bring the total to about $550 per semester.

Further Information
Inquiries should be addressed to
Registrar
Kemptville College of Agricultural Technology
Kemptville, Ontario K0G 1J0
Telephone (613) 258-3411 ext. 237

New Liskeard College of Agricultural Technology

New Liskeard

Principal: J. D. Butler

The college was established in 1967 to provide technical agricultural education to the people of northern Ontario considering a vocation in farming and associated fields. The campus is located within the town of New Liskeard, District of Temiskaming, 100 miles north of North Bay. The college is situated at the southern tip of the Little Clay Belt, an important farming area of northern Ontario.

Modern educational and demonstrational facilities consist of a 480-acre farm site, and a new educational building housing laboratories, shops, classrooms, arena, library and other related facilities. A year-round farming program is maintained to provide instructional material and to carry out applied research projects.

Enrolment 1975-76
Total 55

•Diploma Course
A two-year course of four terms starting in late September and ending in April. Teaching methods include lectures, laboratory periods, practical projects, seminars and special management presentations.

Options are available in agricultural technology, farming technology and equine technology. Each option leads to a two-year diploma in agriculture.

Admission Requirements
Ontario year 4 or the equivalent is most desirable with emphasis on mathematics, chemistry and other science courses. Applicants over 18 years of age and having less than year 4 standing will be considered on the basis of their experience and academic standing.

Student Accommodation
Students may arrange accommodation in private homes throughout New Liskeard and in farm homes close to the college.

Further Inquiries
Inquiries should be addressed to
Principal
New Liskeard College of Agricultural Technology
New Liskeard, Ontario T0J 1T0
Telephone (705) 647-6701

Ridgetown College of Agricultural Technology

Ridgetown

Principal: W. W. Snow

Ridgetown is midway between London and Windsor, 20 miles from Chatham, in the centre of the prosperous farm area of western Ontario.

The college was established as the Western Ontario Agricultural School in 1951. It has modern facilities for agricultural teaching which include laboratories, a library, greenhouses, livestock and agronomy buildings and student residence buildings. There is a college farm of 450 acres for demonstration and research purposes.

Enrolment 1975-76
Total 250

•Courses Offered
The academic year at Ridgetown is divided into three terms per year and the programs are two years in length. Terms begin in September, November and February and each term is a prerequisite of the next.

Agricultural Production and Management
This program is designed to provide training both for careers in the business of farming and for positions in the expanding agricultural industry. The course consists of a basic core of subjects plus electives. Through selection of electives the students may direct their area of emphasis towards their chosen career.

Agricultural Laboratory Technology
This program is designed to train students in fundamental laboratory principles and techniques and their application in the agriculture and food industry. It consists of basic subjects but then emphasizes the laboratory aspects of agriculture. Employment opportunities exist in research, testing and quality control in connection with food processing, meat and milk products, agricultural chemicals, fertilizers, feeds and seeds.

Agricultural Business and Commerce
This program began in 1971 and trains people in the provision of clerical and stenographic services as they apply to farm business. The program concentrates on the record keeping aspects of today's farms, using a basic core of subjects necessary to understand the operations of most farm businesses.

Admission Requirements
Applicants should have successfully completed Ontario year 4 or its equivalent. Mature students with less than year 4 standing will be considered on individual merit.

Student Awards
A number of bursaries and scholarships, ranging from $50 to $150 each, are awarded annually to students requiring financial assistance. In addition, almost $3,000 is made available by special county awards, service club donations, memorial and scholastic awards and prizes. Students may also apply for loan-grant assistance under the Ontario Student Assistance Program. See introductory section on financial assistance to students.

Residence Accommodation
Students live on campus in Steckley Hall. The rooms, each accommodating two students, are equipped with clothes closets and comfortable furnishings, including combination dresser-desks. Accommodation is available for both men and women.

Recreation
Students participate in hockey, basketball, volleyball, curling, bowling, skating, billiards and table tennis. A student executive operates a coffee house on campus.

Fees
Tuition is $200 per year as follows: first term $60, second term $70 and third term $70. Room and nine meals per week, student activities, fees, books, tuition and miscellaneous expenses amount to $837.75 per year. Weekend meals are available at a reduced cost.

Further Inquiries
Please address further inquiries to
Principal
Ridgetown College of Agricultural Technology
Ridgetown, Ontario N0P 2C0
Telephone (519) 674-5456

The Niagara Parks Commission School of Horticulture

Niagara Falls

Superintendent: Charles H. Henning

The Niagara Parks Commission School of Horticulture was established in 1936 as a training school for apprentice gardeners. Situated about five miles north of Niagara Falls, its facilities include a herbarium, a library, a residence building, biology and chemistry laboratory, a frameyard, a potting shed and two greenhouses.

The grounds consist of 100 acres, most of which are intensely planted and developed and are open for the enjoyment of the public.

The program allows each student to acquire practical knowledge, skill and training in general horticulture including botany, arboriculture, floriculture and landscape art.

Graduates of the school may obtain employment with the Niagara Parks Commission, or with commercial establishments, other parks, educational institutions, universities or botanical gardens.

Enrolment 1976-77
Total 36 (12 per year)

Admission Requirements
A minimum of year 4 or its equivalent is required with credits in the following subjects: year 4 English, year 4 chemistry or physics, year 4 mathematics, algebra and geometry. Preference will be given to those applicants who have received their secondary school graduation diploma through the four or five-year stream of the arts and science program.

Previous experience in gardening or some closely related field is essential. The extent and nature of candidates' practical experience can be factors that have an important bearing on deciding their selection for admission.

A candidate for admission must be a Canadian citizen, 18 years of age, physically fit, have a good personality and interest, and give promise of leadership in the field of horticulture. All applications must be received by the end of June for admission to the school the following April.

•Courses Offered
A three-year diploma program in horticulture. The school year begins the first week of April. Courses include a wide variety of horticultural mechanization, botany, greenhouse and nursery production, weed control, plant diseases and greenhouse management. English and mathematics are also specified, in addition to manual gardening operations.

Fees
Tuition fees for lectures and practical training for the three-year course total $1,500. In addition, a deposit of $100 must be paid by each applicant. If students complete their training and are granted a diploma, their deposit — less any charges for breakages or loss of equipment — will be returned.

Residence Accommodation
Accommodation for two years is provided free of charge in the school residence. Third year students live off campus. The residence building contains double rooms for students. Showers, clothes closets and individual lockers are integral parts of the living quarters. A reading room, dining room, kitchen and staff quarters are also located in this building.

Student Financial Allowance
A weekly subsistence allowance which increases annually according to a staged scale, is provided for students at the school. The allowance is to permit them to meet their ordinary financial obligations during the period of their training.

Further Information
Please write to
School of Horticulture
The Niagara Parks Commission
Niagara Falls, Ontario L2E 6V5
Telephone (416) 356-8554

Canadian Coast Guard College

Ministry of Transport

The Canadian Coast Guard College in Sydney, Nova Scotia, offers excellent training and career opportunities to young men and women who have a desire for a seafaring life and who want to see more of, and learn more about Canada.

The college opened in September 1965. Its aim is to produce professionally competent Coast Guard officers who have an understanding of modern leadership and management.

As graduate officers, they may serve aboard powerful ice-breakers, in search and rescue craft, aboard the world's most modern weather-oceanographic and cable-laying vessels, or in the lighthouse and buoy tending vessels that constantly travel Canada's shipping lanes to ensure that the nation's marine commerce moves in safety. The fleet has more than 60 vessels of sea-going size and includes some of the most powerful and most modern ships of their type in the world.

Training
The college training course commences in September. Subjects studied cover a wide range, including, apart from those directly concerned with ship's deck or engine room operation, studies in the fields of mathematics, the sciences, marine law, economics and other fields that are related to shipping. Strong emphasis is placed upon acquiring a working knowledge of both official languages so that graduates will be able to serve, upon completion of their training, aboard vessels anywhere in Canada.

Applicants must be prepared to serve as officers in the Canadian Coast Guard at sea for a period of three consecutive years immediately after graduation from the college.

Language Requirements
A knowledge of the English or French language is sufficient for appointment to these positions.

Admission Requirements
To be considered for admission to the Canadian Coast Guard College students must have:

a) successfully completed secondary school with algebra, geometry, trigonometry, physics and French or English language at graduation level,
b) a pre-employment oral and written examination, and
c) a pre-employment medical related to career requirements.

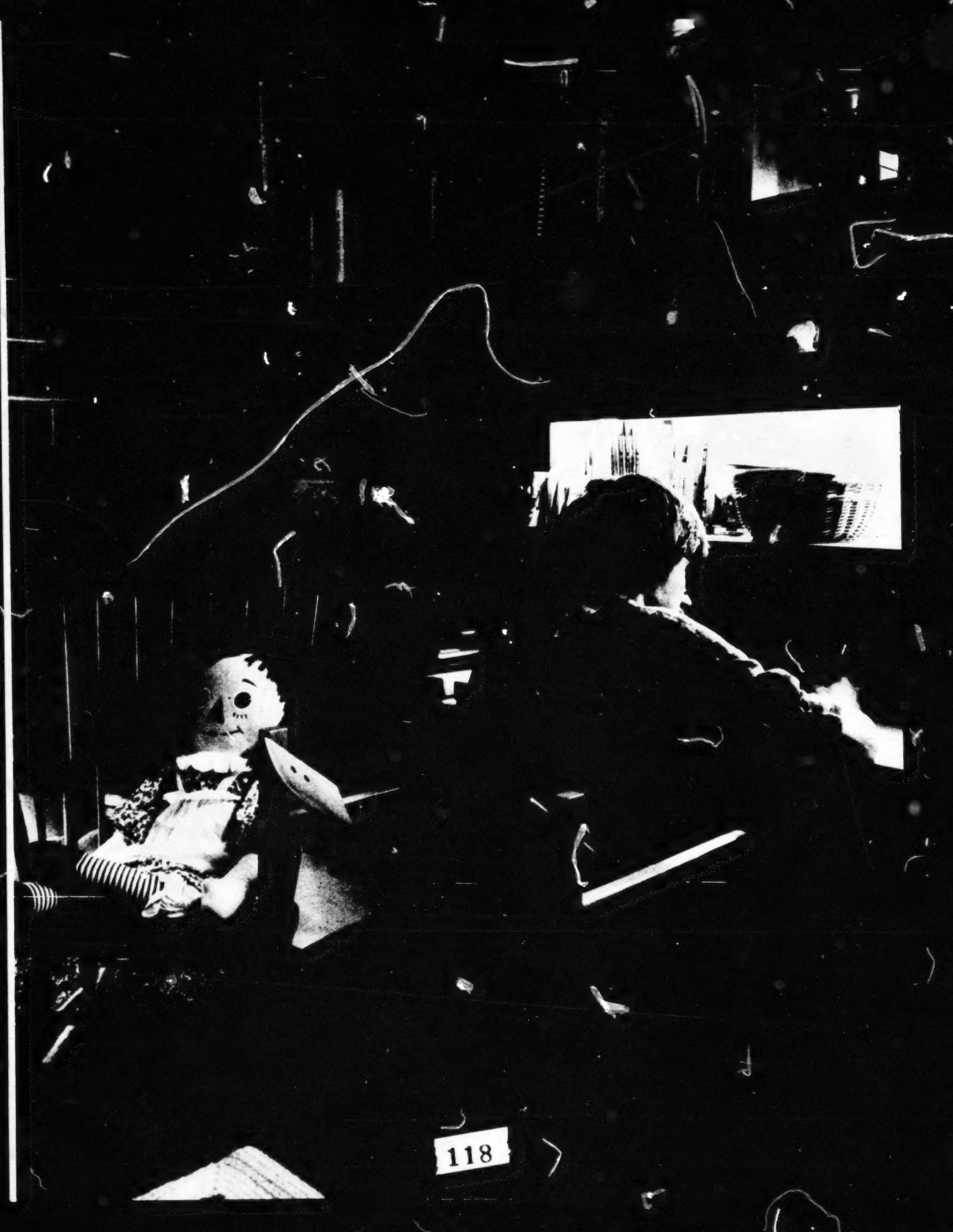
Students who will be graduating from secondary school in 1977 are eligible to apply. Proof of graduation must be provided before appointment as an Officer Cadet can be made. The closing date for application is February 25, 1977.

Benefits
Cadets receive a monthly allowance ($125-$170) while attending college. On first joining, they get travelling expenses from home to the college. Return travelling expenses are covered, after the first $25, from the college to home once a year by the most economical means.

They receive free uniform issue, free books and free board and lodging. They are covered by Government Employees' Workmen's Compensation and are eligible to participate in the Public Service Superannuation Plan, group surgical-medical provision and many other benefits.

Physical Education
The college has a physical education program under the direction of qualified instructors.

Further Inquiries
Requests for application forms and information concerning the Canadian Coast Guard College should be directed to
Staffing Officer
Canadian Coast Guard
Ministry of Transport
Area 21E, Transport Canada Building
Place de Ville
Ottawa, Ontario K1A 0N7



Selected Reference Publications

Some of these publications will be available in secondary school guidance offices, public libraries, and at college and university admissions offices and libraries. Specific sources are listed below.

• Careers

Career Selector
Free
Data on over 100 careers, nature of work, training, qualifications, remuneration, etc.
Women's Bureau
Ministry of Labour
400 University Avenue
Toronto, Ontario M7A 1T7

Careers Updated
$1.50
Career information on 17 categories including business and public service.
Ontario Educational Research Council
1260 Bay Street, 6th Floor
Toronto, Ontario M5R 2B1

Occupational Information Monographs
58¢
Request free check list of leaflets on some 150 careers. Further information in individual monograph form available at 58¢ per copy.
Guidance Centre
Faculty of Education
University of Toronto
1000 Yonge Street
Toronto, Ontario M4W 2K8

University and Community College Career Outlook
Free
Basic information on college and university programs and their related careers.
Manpower Information and Analysis Branch
Program Development Service
Department of Manpower and Immigration
Ottawa, Ontario K1A 0J9

• Education

Accredited Institutions of Higher Education
$8.50
Annual listing of accredited colleges and universities in the United States.
American Council on Education
One Dupont Circle
Washington, D.C. 20036

After 8?
Free
A guide for the parents of grade 8 students. Contains basic information on the secondary and post-secondary educational systems in Ontario.
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

American Universities and Colleges
$42.00
A descriptive directory of 1,441 educational institutions and accredited professional schools in 37 fields.
American Council on Education
One Dupont Circle
Washington, D.C. 20036

Apprenticeship Information and Folders on Skilled Trades
Free
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

The College Blue Book
$82.50
A book in three volumes which describes over 3,000 U.S. colleges in detail including information about application procedures, entrance requirements, costs, accreditation, enrolment figures, faculty, and offerings in subject areas.
Collier MacMillan Canada, Ltd.
539 Collier MacMillan Drive
Cambridge, Ontario N1R 5W9

Commonwealth Universities Yearbook
$50.00
A directory to the universities of the Commonwealth and the handbook of their Association
AUCC
151 Slater Street
Ottawa, Ontario K1P 5N1

A Compendium of University Entrance Requirements for First Degree Courses in the United Kingdom
£1.80
Lund Humphries
The Country Press
Drummond Road
Bradford, England BD8 8DH

Directory of Registered Private Vocational Schools
Free
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

Higher Education in the United Kingdom
$5.50
A handbook for students from overseas and their advisers.
Longman Canada Limited
55 Barber Greene Road
Don Mills, Ontario M3C 2A1

International Handbook of Universities and Other Institutions of Higher Education
$32.00
R. and R. Clark Limited
Brandon Street
Edinburgh, Scotland EH3 5DY

Nursing
Free
A booklet outlining admission requirements and selection procedures for students who wish to enter nursing programs in Ontario.
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

Spectrum
$2.50
Basic information on colleges, universities and other education.
Guidance Centre
Faculty of Education
University of Toronto
1000 Yonge Street
Toronto, Ontario M4W 2K8

Study Abroad
$7.50
International scholarships and courses. A directory to study opportunities at the university level throughout the world.
Information Canada
221 Yonge Street
Toronto, Ontario M5B 1N4

Universities and Colleges of Canada
$7.00
Contains basic information on 70 universities and their affiliated colleges. A listing of research institutes; a listing of community colleges; a comprehensive table of university programs.
Publications Distribution Unit
Statistics Canada
Ottawa, Ontario K1A 0Z5

The World of Learning
$73.50
Contains the names, addresses, and other details of over 2,400 universities, colleges, libraries, museums, art galleries, learned societies and research institutes throughout the world.
Europa Publications Limited
18 Bedford Square
London, England WCIB BJN

• Financial Aid

Bursaries for Secondary School Students
Free
Bilingual brochure outlining assistance to needy secondary school students for final year studies.
Information Systems and Records Branch
Ministry of Education
Mowat Block, Queen's Park
Toronto, Ontario M7A 1L2

Canada Student Loans Plan
Free
Bilingual brochure outlining federally guaranteed loans for post-secondary students.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Ontario Special Bursary Program
Free
A bilingual brochure outlining provincial assistance for part-time students who are receiving social assistance, are unemployed, or have a low family income.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Ontario Student Assistance Program
Free
A booklet outlining Ontario financial assistance to post-secondary students (OSAP). Available in English or French.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Ontario Student Loans Plan
Free
Booklet outlining provincially guaranteed loans for post-secondary students who do not qualify for assistance under OSAP or the Canada Student Loans Plan. Available in English or French.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Second Language Bursary and Fellowship Programs
Free
Brochures and applications for a variety of assistance programs to encourage minority language teaching and study.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4